2024 SOIL AND VEGETATION MONITORING PROGRAM REPORT

SWAN HILLS TREATMENT CENTRE

EPEA APPROVAL NO. 00001744-03-00, AS AMENDED

Prepared for: **VEOLIA WASTE SERVICES ALBERTA INC.**

Prepared by: **MONTROSE ENVIRONMENTAL SOLUTIONS CANADA INC.**

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Edmonton, Alberta

Suite 200, 5083 Windermere Blvd. SW
Edmonton, AB, Canada T6W 0J5
T 780.490.6830 F 780.465.2973
www.montrose-env.com

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Lindsay Oiffer, M.Sc., P.Ag.
Senior Environmental Scientist

reviewed by
Kelly Ostermann, M.Sc., P.Ag.
Principal Soil Scientist

ALBERTA INSTITUTE OF AGROLOGISTS
CIBUS AD OMNES
MEMBER
Registration No: 1094
Deborah Ostermann, PAg Regulated
Expiry: December 31, 2025

CONTRIBUTORS

Name	Job Title	Role
Lindsay Oiffer, M.Sc., P.Ag.	Senior Environmental Scientist	Author
Kelly Ostermann, M.Sc., P.Ag.	Principal Soil Scientist	Technical reviewer
Johnathan Rich, M.Sc., P.Biol	Data Scientist	Statistical analysis

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EXECUTIVE SUMMARY

Veolia Waste Services Alberta Inc. retained Montrose Environmental Solutions Canada Inc. (Montrose; formerly Matrix Solutions Inc.) to complete the 2025 soil and vegetation monitoring program for the Swan Hills Treatment Centre (SHTC), located in the Municipal District of Big Lakes, Alberta. The monitoring program has been in place since the plant began operation in 1987. Monitoring has been completed annually in the spring or fall since 1988.

OBJECTIVES AND SCOPE OF WORK

The objective of the monitoring program is to assess changes in concentrations of chemicals of concern in the forested area surrounding the SHTC. This program was completed in accordance with Section 4.10 of the facility's *Environmental Protection and Enhancement Act* (EPEA) Approval No. 00001744-03-00, as amended.

More specifically, the scope in 2024 was limited to the following:

- Assessing changes in chemical concentrations within 10 annual monitoring plots and 22 expanded program monitoring plots by collecting vegetation samples and comparing the analytical results to those of previous sampling events:
    - Samples of moss and Labrador tea leaves were collected from each plot and analyzed for inorganic and organic parameters (Table 1a)
- Collecting moss bags from 15 moss bag plots and deploying unexposed moss bags at these plots for collection in the following year:
- Assessing lichen health at the 15 moss bag plot locations to determine if emissions from the SHTC are having a deleterious effect on air quality as it relates to lichen health.
- Collecting moss bags from three additional sites situated around the SHTC's fenceline.
- Archived total suspended particulate (TSP) samples (filter samples) from 2023 were also analyzed for metals.
- Completing plot maintenance on those plots with identified maintenance issues.

METHODS

The monitoring program is based on a 5-year cycle. The 2024 monitoring program represents the Year 5 of the monitoring cycle and is an expanded program year; therefore, the annual plots, expanded plots, and moss bag plots were sampled.

The methodology employed during the monitoring program is provided in Appendix A. Only details specific to the 2024 program or supplemental work completed in 2024 are discussed below.

The analytical methods are described in the monitoring protocol (Appendix A) and include the analysis of polychlorinated biphenyls (PCBs), polychlorinated dibenzodioxins (PCDD)/polychlorinated dibenzofurans (PCDF), and metals in the live moss and Labrador tea. Metals were also analyzed in the moss bags and PCBs analyzed in the underlying soil at the annual plots.

RESULTS

Overall, the monitoring program indicates that historical emissions from the facility have caused certain metals and polychlorinated compounds to accumulate in the surrounding terrestrial environment. However, current emissions from the SHTC do not appear to be leading to continued accumulation in the surrounding environment, except for zinc in the live moss. In 2024, zinc and TEQ concentrations in the Labrador tea decreased to pre-fire (pre-2023) levels and concentrations in the live moss did not increase substantially between 2022 and 2024; the monitoring data reported in 2024 indicates that the effect of the 2023 wildfires on metallic and polychlorinated compounds was transient. Specific to mercury there was no evidence of increased mercury deposition to any monitoring plot in 2024. The reduced activity at the SHTC also may be further reducing emissions to the surrounding terrestrial environment.

The following summarizes the results of the 2024 monitoring program.

Moss

- Concentrations of metals (one or more of aluminum, antimony, arsenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, silver, tin, and zinc) have been elevated at plots near the SHTC (plots 4, 109, and 114). Metal concentrations are below the *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (Tier 1; EPA 2024) protective of the eco soil contact pathway providing some assurance that current metal levels are not affecting plant productivity and health.
    - Cadmium is increasing at plot 114 but it still within its historical range and similar fluctuations in cadmium levels have occurred in the past.
    - Zinc concentrations have increased at plots near the SHTC (Plots 4, 109, 114, 117, and 123), although concentrations have stabilized in recent years.
- Polychlorinated organic compounds (PCBs and total TEQ) are most elevated at the plots surrounding the SHTC Plots 4, 11, 109, 110, and 114, but concentrations are decreasing in the live moss.

Labrador Tea

- The concentration of antimony, arsenic, cadmium, lead, molybdenum, nickel, and zinc were elevated at the plots near the SHTC, which is consistent with historical results. Overall, the rate or magnitude of metal deposition near the SHTC may be somewhat elevated relative to background locations:
    - Zinc concentrations increased in the Labrador tea leaves collected in June 2023; however, zinc concentrations in Labrador tea leaves collected in 2024 decreased to pre-fire (2022) levels indicating any increase in zinc concentrations was transient.
- TEQ values in the Labrador tea leaves increased substantially in 2023 due to the wildfires. In 2024 TEQ concentrations decreased to pre-wildfire (2022) levels.
- PCBs and the total TEQ value in the Labrador tea surrounding the SHTC is decreasing over time.

Soils

- Samples collected from the underlying organic and mineral soil (0 to 15 cm depth) confirmed that PCBs are sequestered in the organic layer at the surface of the forest floor.

Ambient Air Monitoring

- TSP data analyzed from 2023 indicated that increased particulate from the forest fires resulted in increased metal deposition. Based on an increase in the concentration of copper, lead and zinc, fly ash appeared to be detected in the TSP samples during the fly ash pilot, although the amount of particulate captured during the test was minimal and ambient concentrations were low.
- In the moss bags there was no statistically significant differences in metal concentrations between Zones 1 and 2 and there were no obvious differences in metal concentrations between moss bag plots.
- In 2022 moss bags were also deployed at fenceline air monitoring Sites 1 (downwind of the Solidification and Stabilization building), 5 (upwind of the SHTC), and 9 (downwind of the landfill). Most metallic parameters were elevated at Site 9 relative to Sites 1 and 5; although metal concentrations at all three sites decreased relative to 2023.
- A decrease in vigour was only observed at 3 of 45 lichen sub-sites and overall the vitality of lichen appeared to be unchanged relative to the previous monitoring period in 2023. Overall, there is no evidence that emissions from the SHTC are affecting lichen health.

RECOMMENDATIONS

In 2025 the annual plots will be sampled and analyzed as per the updated monitoring schedule in Appendix A1. Recommended changes to the monitoring program for 2025 include:

- Shifting Plot 117 to the expanded program: Plot 117 is situated 1.4 km by foot from the southeast edge of the SHTC. Approximately 1 km of the route to access the plot is through a revegetated cut block. The plot was more easily accessed earlier in the program before the cut block had revegetated; currently it is the most remote plot in the program and there are safety risks with accessing the plot. This plot has been affected by historical PCB emissions but PCB concentrations have been decreasing at this plot over a 10-year period. The most recent emissions modelling indicates this plot is situated east of the area that would receive most of the PCB, PCDD/DF, and metal emissions from the SHTC, there are plots nearer to the SHTC that will capture peak downwind emissions (Plots 4 and 114). It is recommended that this plot be removed from the annual monitoring program and sampled every 5 years as part of the expanded program.
- Removal of moss bag Plot MB22: MB22 is situated 2km (by foot) south of the SHTC. The plot is situated in emissions Zone 2 which is an area that is expected to be outside the primary emissions zone around the SHTC. Since the acid washing step was incorporated into moss bag preparations (in 2019), metal concentrations at MB22 have been similar to background Plot 71. The former winter logging road that led south to this site is partially reclaimed, stream crossings are removed and there are increased safety risks with accessing the plot. It is suggested that MB22 be removed from the monitoring program, and a moss bag be established at Plot 114 to monitor metal deposition at this plot where some recent increases in arsenic and cadmium have been noted. Also MB20 is situated south of the SHTC in Zone 1 and provides a means to monitor emissions which may be dispersing in a southerly direction.

Implementation of these recommendation would not impact the integrity of the monitoring program as outlined above. It is also important to note that a facility upset resulting in offsite emissions of significant magnitude would result in soil and vegetation sampling at selected sites immediately following the incident. The number/location of sites and analytical scope would be based on meteorological conditions and the nature of the release.

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1 INTRODUCTION

Veolia Waste Services Alberta Inc. (Veolia) retained Montrose Environmental Solutions Canada Inc. (Montrose; formerly Matrix Solutions Inc.) to complete the 2024 soil and vegetation monitoring program for the Swan Hills Treatment Centre (SHTC), located in the Municipal District of Big Lakes (Figure 1). The monitoring program has been in place since the plant began operation in 1987. Monitoring has been completed annually in the spring or fall since 1988. Baseline samples were collected before operation between 1985 and 1987.

The SHTC treats hazardous waste using incineration, physical/chemical treatment, and solidification/ stabilization technologies.

1.1 Objectives and Scope of Work

Forest environments are considered to be sinks for atmospheric pollutants, with pollutants (such as polychlorinated biphenyls [PCBs]) being deposited on forest vegetation and eventually being stored within the leaf litter (Nizzetto et al. 2008; Wania and Mclachlan 2001). The objective of the monitoring program is to assess changes in concentrations of chemicals of concern in the forested area surrounding the SHTC. This program was completed in accordance with Section 4.10 of the facility's *Environmental Protection and Enhancement Act* (EPEA) Approval No. 00001744-03-00, as amended.

More specifically, the scope in 2024 was limited to the following:

- Assessing changes in chemical concentrations within 10 annual monitoring plots and 22 expanded program monitoring plots by collecting vegetation samples and comparing the analytical results to those of previous sampling events.
    - Samples of moss and Labrador tea leaves were collected from each plot and analyzed for inorganic and organic parameters (Table 1a).
- Collecting moss bags from 15 moss bag plots and deploying unexposed moss bags at these plots for collection in the following year.
- Assessing lichen health at the 15 moss bag plot locations to determine if emissions from the SHTC are having a deleterious effect on air quality as it relates to lichen health.
- Collecting moss bags from three additional sites situated around the SHTC's fenceline.
- Archived total suspended particulate (TSP) samples (filter samples) from 2023 were also analyzed for metals.
- Completing plot maintenance on those plots with identified maintenance issues.

2 BACKGROUND

This section includes a brief description of the regional setting, the site facilities, and the historical monitoring program.

2.1 Regional Characteristics

Regional characteristics for the area are described in Table A.

TABLE A Regional Characteristics

Topography	Steep slopes and hilly topography generally characterize the area (WPK 2007).
Surface Drainage	The area surrounding the SHTC is drained by the Coutts River system (WPK 2007). Christina Lake is situated 1.5 km northeast of the SHTC.
Parent Geological Materials	The glacial till, from which the soils in the area are formed, is stony and generally fine-textured (Lindsay et al. 1963). The average thickness of these deposits is 10 m (Moell C.E. & Associates 1983). Based on previous environmental investigations, the till had a low hydraulic conductivity (WPK 2007).
Soil Types	Grey Luvisols are typically found in well-drained locations and organic soils occur in poorly drained locations within the area (Lindsay et al. 1963).
Vegetation	Three dominant ecosites were identified near the SHTC (HBT 1994) using a preliminary classification system. The ecosites are summarized as follows: • Lodgepole pine/black spruce ecosites associated with Grey Luvisols and Humic Gleysols. • Black spruce/Labrador tea/feather moss ecosites associated with Humic Gleysols. • Black spruce/sedge-cloudberry/sphagnum ecosites associated with Typic and Terric Mesisols.
Land Use	The area surrounding the site is zoned public land within the Green Area of Alberta.

2.2 Facility Operations

The SHTC has operated since 1987 and primarily treats hazardous waste through incineration, physical/chemical treatment, and solidification/stabilization technologies. The SHTC has a large rotary kiln which is used to incinerate organic liquid, sludge, and solid wastes, including those that contain PCBs.

In July 2015, the SHTC obtained approval to treat biomedical waste. These wastes are also treated in the incineration system.

As of May 2021, the SHTC has reduced the quantity of waste it accepts and processes in line with the base scope of operation. Annually the SHTC currently accepts up to 1,500 tonnes of waste; approximately 1,200 tonnes of biomedical waste and 300 tonnes of PCB waste. Other waste streams require approval from Alberta Infrastructure prior to disposal.

2.3 Contaminants of Concern

To assess the effect of facility operation on the surrounding area, there are monitoring programs for surface water bodies and aquatic biota, wildlife, as well as soil and vegetation. The soil and vegetation monitoring program has been completed annually at the site since 1988.

Based on available monitoring results, elevated PCB, polychlorinated dibenzodioxins (PCDD), and polychlorinated dibenzofurans (PCDF) concentrations in the moss and Labrador tea leaves near the SHTC are related to fugitive emissions from the SHTC (Matrix 2023). Select metal parameters have also been detected as co-contaminants at those plots impacted by chlorinated organic compounds.

Metal or polychlorinated compounds measured in the moss layer are likely representative of the cumulative accumulation of these compounds via atmospheric deposition as studies have demonstrated

that mosses do absorb contaminants from the underlying substrate (Kłos et al. 2012, Kosior et al. 2017). It also appears that although the feather moss layer continues to grow (Benscoter and Vitt 2007), the continued uptake of PCBs from the historical moss layer negates any growth related dilution or PCBs are concentrated in the lower portion of the live moss layer.

There appears to be some year-over-year variability in PCB concentrations in the live moss which could be partially explained by spatial heterogeneity; however, there may be other exogenous factors affecting PCB concentrations.

Polychlorinated compounds detected in the Labrador tea leaves are likely representative of compounds deposited from the atmosphere over a 1-year exposure period. This is based on the following rationale:

- Only the less chlorinated PCB congeners are translocated through the xylem in vascular plants (Liu and Schnoor 2008). The PCBs in the Labrador tea leaves near the SHTC tend to be penta- to octa-chlorinated congeners, indicatinag that root uptake is an unlikely source.
- It is unlikely that PCBs have been stored in the plant from past deposition events (Trapp et al. 2001).
- The most common pathway for atmospherically deposited PCBs to be assimilated by vegetation is through the leaf (Undeman et al. 2009).

Based on the most recent air modelling report for the SHTC (Zelt PSI 2022), the effect of emissions from the SHTC would be most evident at Plots 4, 11, 109, and 114 with PCB concentrations in the air being most concentrated in the vicinity of Plots 4 and 109. The predicted deposition zones for PCBs are supported by the historical spatial distribution of PCBs in the vegetation surrounding the SHTC.

Further discussion of historical results and long-term trends are included in Section 4.

2.4 Accidental Releases to Air

In 2021, the SHTC did have two accidental releases of organic vapours from a valve at the organic tank farm (EPA reference numbers 377133 and 376458); however, the duration of these releases was <24 hours in each instance. A manual stack survey conducted between June 23 and 25, 2021, identified that the stack on the kiln had exceeded the mercury emission limit (EPA reference number 383610). Mitigations were enacted following these incidents to prevent the issues from re-occurring and these mitigations were documented in follow-up letters provided to EPA in 2021.

On March 11, 2024, Veolia was notified that the total PCDD/PCDF Toxicity Equivalent emission results obtained for the manual stack survey performed December 5 to 6, 2023 exceeded the TEQ emission limit of 80 pg/m^3; the average result was 239.71 pg/m^3. The retest performed April 16-17, 2024 and subsequent stack test performed October 26-27, 2024 were below the emission limits (Veolia 2024). Veolia was also informed that the mercury emission results obtained for the manual stack survey performed December 11 to 12, 2023 exceeded the emission limit for Mercury (20 µg/m^3); the average result was 21.0571 µg/m^3. These results were reported to EPA immediately under Reference number 425780 (Veolia 2024).

3 METHODS

Montrose personnel were required to comply with legislated, Montrose, and Veolia health and safety standards.

The monitoring program is based on a 5-year cycle. The 2024 monitoring program represents year 5 of the monitoring cycle and is an expanded program year; therefore, the annual plots, expanded plots, and moss bag plots were sampled.

The methodology employed during the monitoring program is provided in Appendix A. Only details specific to the 2024 program or supplemental work completed in 2024 are discussed below.

3.1 Sampling Program

The field sampling program was completed between May 27 to May 30, 2024, as per the monitoring protocol provided in Appendix A. Monitoring plots are shown on Figure 2, coordinates are provided in Table 1a, and plot location maps are provided in Appendix B.

- Plot maintenance is documented in Table 1b.
- Acid washed moss bags were collected from all moss bag locations in 2024. The moss bags were replaced with unexposed moss to be collected in 2025.
- Additional work completed on this program in 2024 is summarized below.

3.1.1 Ambient Air Monitoring

Moss bags were deployed at Sites 1, 5A, and 9 in 2023 to collect data on metal deposition immediately upwind and downwind of the SHTC (Figure 3). Site 5A is situated upwind of the facility near the kiln. The moss bags were collected in 2024 for metals analysis and new moss bags were deployed.

3.2 Analytical Program

The analytical methods for the moss and Labrador tea leave samples are summarized in Table 1c. Samples were submitted to ALS laboratories in Edmonton, Alberta, for analysis. As 2024 was an expanded program year the following additional analyses were completed as per the recommendations in the 2023 report:

- Congener PCBs were analyzed in the live moss and Labrador tea at all expanded program plots. The analysis was completed using low resolution mass spectroscopy (LRMS).
- Aroclor PCBs were analyzed in the live moss at the annual plots.
- PCBs were analyzed in the moss, underlying organic soil horizon (if present) and upper 0.15 cm of the mineral soil at all annual plots to confirm that PCBs were not leaching vertically. Analysis was completed using both the LRMS Congener PCB and Aroclor PCB methods.
- Veolia personnel submitted TSP samples to Bureau Veritas for metals analysis. An attempt was made to also analyze select TSP samples using scanning electron microscopy (SEM) at SEMx Inc.'s laboratory in Calgary.

3.3 Data Evaluation

The R statistical software (R Core Team 2021) was used to analyze the data. The methodology for data analysis is summarized in the monitoring protocol appended to this report (Appendix A, Section 3.5 of the monitoring protocol). When evaluating spatial trends the most recent 10 years of data are included in the analysis.

Control charts were constructed to evaluate trends in key metal parameters, PCB concentrations and toxic equivalence (TEQ) values. Transformations were employed to normalize the data; however, the units shown on the y-axis of the control charts are untransformed. For most plots, PCB, metal, and TEQ data between 2003 to 2013 appeared stable and was used as a baseline for the control charts. The upper and lower control limits depicted in the charts were calculated by adding or subtracting 2 standard deviations from the mean of the baseline values. The purpose of the control charts is to provide another means to flag increasing or decreasing trends in the data.

Control charts were created for metal parameters where enough historical data was present in both sample matrices. Metal parameters at certain plots did not have a stable series of historical data points and control limits could not be calculated.

Soil results were compared to the *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (Tier 1; EPA 2024).

4 MONITORING PROGRAM RESULTS

There were several forest fires in the Swan Hills area in 2023. The effect that emissions from the forest fires continue to have on the surrounding terrestrial environment is discussed where relevant in this section.

The results of 2024 monitoring program are discussed in the following subsections. Results are tabulated in Tables 2 to 17b and in the laboratory reports (Appendix C). A comparison of the 2024 data to the previous year, results of the Mann-Kendall trend analysis and summary statistics (maximum/minimum, median, and 25^{th}/75^{th} percentiles) are provided in Appendix D.

Graphs depicting the historical (box plots) and temporal trends (trend graphs) at the soil and vegetation plots are provided in Appendix E. Control charts for select metals, PCB and TEQ values at Plots 4, 11, 109, and 114 are provided in Appendix F.

The historical inorganic data from previous monitoring programs is tabulated in Appendix G. Historical organic parameter results for the live moss and Labrador tea leaves are tabulated in Tables 7 and 12.

Photographs of the lichen plots are provided in Appendix H and graphs of the moss bag data since 2021 are shown in Appendix I.

4.1 Nutrients (Tables 3 and 9)

There were no notable trends in nutrient, pH or EC values in the live moss or Labrador tea compared to historical values for each plot (Appendix G, Tables G2 and G4).

4.2 Metals (Tables 2, 8, 15, and 17a/b)

Since the analytical method was updated in 2019, the detection limit for most metal parameters has decreased and the precision of the results appears to have increased.

Trends in the following key metal parameters have been evaluated further graphically and statistically: aluminum (Al), antimony (Sb), arsenic (As), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg), molybdenum (Mo), nickel (Ni), silver (Ag), tin (Sn), and zinc (Zn) (see Appendices D and E). These parameters are considered indicators that atmospheric pollutants are being emitted from the SHTC and could be accumulating in the surrounding vegetation (moss and Labrador tea). Control charts were also developed for these metal parameters, with the exception of aluminum, that have been found to be elevated in the vegetation near the SHTC (Appendix F). There have been no trends in aluminum concentrations in the last 10 years and consequently aluminum trends were not further evaluated in the control charts.

Concentrations of barium (Ba), beryllium (Be), boron (B), cobalt (Co), iron (Fe), manganese (Mn), selenium (Se), thallium (Tl), uranium (U), and vanadium (V) were near or below historical background levels (Plots 70 and 71) in the live moss and Labrador tea (Appendix G).

The concentrations of lithium (Li), strontium (Sr), zirconium (Zr), and titanium (Ti) are tabulated in both the current and historical results tables but are not considered to be contaminants of concern and are not discussed further.

4.2.1 Spatial Trends

The following metal parameters, in the live moss, have demonstrated a discernible spatial trend over the past 10 years with a number of metals being elevated in plots near the SHTC (Appendix D and E):

- Aluminum, antimony, arsenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, silver, tin, and zinc have been elevated relative to background levels in the live moss at Plots 4, 109, and 114 in 2024.
- Antimony, arsenic, cadmium, lead, molybdenum, nickel and zinc in have been elevated relative to background levels in the Labrador tea at one or more of Plots 4, 109, and 114.
    - Antimony has been elevated at Plot 4 since 2019 when the detection limit for the analytical method decreased from 0.1 mg/kg to 0.01 mg/kg (Figure E.3 and Appendix G).

4.2.2 Temporal Trends

Table B summarizes increasing temporal trends for key metal parameters. Detailed statistical information is provided in Appendix D.

TABLE B Summary Temporal Trends Key Metal Parameters

Parameter	Annual Vegetation Plots			
	>40% Change From Previous Year[1]	Exceeds Historic Values[2]	Increasing Trend - Visual Assessment[3]	Increasing Trend - Mann-Kendall[4]
Moss				
Aluminum	No	Plots 114, 117 and 123	No	No
Antimony	No	No	No	No
Arsenic	No	Plots 114 and 117	Plot 114	Plots 114 and 402
Cadmium	Plot 402	Plot 114 and Plot 402	Plot 114	No
Chromium	No	No	No	No
Copper	No	No	No	No
Lead	Plot 71	No	No	No
Mercury	No	Plot 109	No	No
Molybdenum	No	No	No	No
Nickel	No	Plot 117	No	No
Silver	No	No	No	No
Tin	No	No	No	No
Zinc	No	Plots 71, 109, 114, 117, 123 and 402	No	Plots 4, 109, 114, 117 and 123
Labrador Tea				
Aluminum	No	No	No	No
Antimony	Plot 114 and 123	No	No	No
Arsenic	Plot 109 and 117	No	No	No
Cadmium	No	No	No	No
Chromium	Plot 11 and 70	No	No	No
Copper	No	No	No	No
Lead	No	No	No	No
Mercury	No	No	No	No
Molybdenum	Plots 70, 110 and 402	No	No	No
Nickel	No	Plot 114	No	No
Silver	Plot 11	No	No	No
Tin	Plots 117 and 402	No	No	No
Zinc	No	No	No	No

*Long Term >5 year increasing trend
[1]Year over year concentration increase exceeds 40%
[2]Exceeds 75th percentile of historic values
[3]Increasing trends were assessed visually using the 5-year trend graphs provided in Appendix E
[4]A Mann-Kendal result was considered significant if the p-value associated with the test result was less than 0.05

Metal parameter results are only discussed if they exceed the 75th percentile of historic values or if increasing trends are apparent.

Live Moss

- There were some metal concentrations (aluminum and nickel) that did not increase substantially since 2022 but were elevated relative to the historical range at one or more of plots 114, 117, and 123. A closer evaluation of the data indicates that the 2024 concentrations were only marginally above the 75th percentile of historical values and there were no discernible trends in the data (Appendix D; Table D.1).

- Arsenic concentrations were notable at the following plots in 2024
    - Arsenic concentrations have been elevated at Plot 114 since 2017 but have been relatively stable since that time (Appendix F; Figure F.47) with only a 20% difference between the 2017 and 2024 concentrations. Noting that the reproducibility criteria for soil duplicates is 40%, consequently a 20% difference in arsenic concentrations can not be discerned from the heterogenous distribution of arsenic in the live moss.
    - Arsenic concentration (0.234 mg/kg) at Plot 117 were elevated relative to historical values but still within 20% of the median historical concentration (0.196 mg/kg) and still within background ranges at Plots 70 and 71 (Appendix D; Table D.1).
    - Arsenic concentrations at Plot 402 had a statistically significant increasing trend; however, this trend was not visually evident based on a review of the historical data (Appendix G). Arsenic concentrations also decreased substantially relative to 2022.
- Cadmium in the live moss at Plot 402 increased more then 40% relative to 2022 values and is elevated relative to historical values. Plot 402 is situated 7 km downwind (east) of the SHTC; given that a similar trend was not observed at nearer plots, the increase at Plot 402 is not related to the SHTC's emissions. Cadmium at Plot 114 has been increasing since 2022 but it still within its historical range and similar fluctuations in cadmium levels have occurred in the past.
- Mercury at Plot 109 was elevated relative to the historical concentration range. Although mercury concentrations decreased substantially in 2022 and remained stable in 2024 approaching the median of the historical concentration range (Appendix F; Figure F.37).
- Zinc concentrations have increased (statistically significant trend) at plots near the SHTC (Plots 4, 109, 114, and 123), although concentrations have stabilized in recent years (Appendix F). The Mann-Kendall test statistic indicates there is a significant increasing trend at Plot 117 (Appendix D, Table D.1), however, visually no trend is evident in the data and concentrations are comparable to background locations.

Labrador Tea

- There were no notable trends in metal concentrations, with the exception that nickel concentrations were elevated relative to historical values at Plot 114, although there are no trends in nickel concentrations at this location.
- Mercury concentrations were within the historical concentration ranges for each plot.
- Zinc concentrations were elevated at most plots in 2023; however, in 2024 zinc concentrations in Labrador tea leaves decreased to pre-fire (2022) levels indicating any increase in zinc was transient.

4.2.3 Moss Bags

The peat moss deployed in 2023, was acid washed at Alberta Innovates (Appendix A; Table A1.3). The peat moss is deployed for a 1-year exposure period and the date listed in Table 15 is the date the moss was collected.

Based on the moss bag data there were several parameters that were statistically greater in the exposed versus unexposed moss bags (Appendix D; Table D.3). However, there were no statistically significant differences between Zone 1 and 2 for the metals that had accumulated in the moss bags. The moss bag data does not demonstrate that metals, including mercury, are being deposited near the SHTC at statistically significant rates.

The moss bag data collected from 2019 onward is presented on the graphs in Appendix I; 2019 is the year when acid washing was incorporated in moss bag preparation. Moss bag data from 2021 was omitted from the graphs in Appendix I as the acid washing step was less effective in reducing baseline metal levels in the peat moss deployed the year prior. There are no visible trends in the moss bag data.

In 2023 moss bags were also deployed at air monitoring Sites 1 (downwind of the Stabilization and Solidification Building), 5 (upwind of the SHTC), and 9 (downwind of the landfill).

The moss bags were collected in June 2024. Metal concentrations, including mercury, decreased relative to 2023 (Table G5). Several parameters in these moss bags were elevated relative to the unexposed moss (Table 15). Metal concentrations at Site 1 were like Site 5; most metal parameter concentrations at Site 9 were elevated relative to Sites 1 and 5. Metal concentrations in the moss bags at the SHTC's fenceline were elevated relative to the more peripheral moss bag plots.

4.2.4 High Volume (Total Suspended Particulate) Air Samples

Suspended particulate samples, collected over a 24 hour period, were analyzed for metals from Site 1 (downwind of the stabilization building) and 9 (downwind of the landfill). TSP data from 2023 are provided in Table 17a and the metals analysis completed on the TSP samples is summarized in Table 17b. TSP data was selected for metals analysis with the following objectives:

- Evaluate metal deposition prior to the 2023 wildfires, fly ash handling events and landfill construction project
- Evaluate metal deposition at peak wildfire activity
- Evaluate metal deposition during fly ash handling events
- Evaluate metal deposition during landfill construction activities which occurred in the summer and fall of 2023
- Correlate increases in indicator metals with increased fly ash deposition using SEM

TSP on a ug/m^3 basis (Table 17a) was elevated in May (172.5 to 185.2 ug/m^3) which correlated with wildfire activity as well as in September (30.3 to 85.5 ug/m^3) which correlated with landfill construction and wildfire activity.

Select metals that have been found to be elevated in the SHTC's fly ash (arsenic, copper, lead, tin, zinc; Matrix 2018) were selected for further evaluation in the TSP data. The metals are discussed in terms of absolute mass collected on the filters (ug) and concentration in the particulate (µg/g). When comparing to ambient air quality objectives the metals were converted to airborne concentration (µg/m^3) based on the volume of air that passed through the sampler. The trends in the absolute (µg) and ambient air concentration (µg/m^3) data are similar. The concentrations and absolute mass of these metals in the TSP are plotted in Appendix J.

The following trends were observed in the TSP metals data:

- Arsenic and tin concentrations were near or below the detection limit.
- Monitoring periods with elevated TSP corresponded to increases in zinc deposition in May 2023 (zinc ranged from 108 µg to 155 µg) and September 2023 (zinc ranged from 57.9 µg to 125 µg). The mass of copper and lead deposited also increased with TSP.
- The concentration of copper, lead and zinc was typically elevated when TSP was low. This corresponded to increased concentrations in the winter months when TSP was 1 to 2 orders of magnitude lower than summer emissions. The concentration, of these metal parameters, also increased during the limited fly ash pilot test on October 19, 2023 although ambient metal concentrations (ug/m^3) were low.

When corrected for the air volume listed in Table 17a, the maximum 24-hour averaged ambient air concentrations of copper, lead and zinc in the TSP on a ug/m^3 basis were 0.04 ug/m^3, 0.02 ug/m^3, and 0.10 ug/m^3, respectively. This compares to ambient (24-hour) air quality objectives in Ontario (MECP 2020) of 50 ug/m^3 (copper), 0.5 ug/m^3 (lead), and 120 ug/m^3 (zinc). Neither copper, lead, nor zinc have 24-hour averaged ambient air quality objectives in Alberta.

The high volume air samples were sent SEMx for SEM analysis to determine if fly ash particles could be observed and directly correlated to increases in metal concentrations in the suspended particulate. Samples with elevated accumulations of suspended particulate from May 16, 2023 and September 13, 2023 were imaged but ash from the forest fires were observed to be covering the filters and obscuring any other particle types. A sample collected from Site 9, during the fly ash pilot, was imaged but there was not enough particulate to quantify. Samples from other collection dates were visually examined by SEMx and determined to not have enough particulate to make imaging worthwhile.

4.2.5 Significance

When evaluating spatial trends in the metals data a 10 year monitoring period is utilized spanning data from 2015 to 2024. In the live moss the median concentration of aluminum, antimony, arsenic, cadmium, chromium, copper, lead, mercury, molybdenum, silver, nickel, tin, and zinc are elevated relative to background concentrations. In the Labrador tea, the median concentration of antimony, arsenic, cadmium, lead, molybdenum, nickel, and zinc are elevated relative to background conditions.

TSP data analyzed from 2023 indicated that increased particulate from the forest fires also resulted in increased metal deposition on a absolute basis; although concentrations in the particulate were low. Fly ash appeared to be detected in the TSP samples during the fly ash pilot based on an increase in the concentration of copper, lead, and zinc, even though the amount of particulate captured during the test was minimal and ambient metal concentrations were low.

Metal concentrations in the moss bags were similar between Zones 1 and 2, and increased metal deposition surrounding the SHTC was not detected in 2024.

Labrador tea's plant roots occur at variable depths (Hebert and Thiffault 2011) but likely mostly occur in the underlying organic or mineral soil layer. Given that metals at plots near the SHTC do not appear to be

leaching from the live moss layer into the underlying soil (Matrix 2022), the metal concentrations in the Labrador tea leaves may be reflective of recent atmospheric deposition. However, the moss bags did not detect any significant difference in metal deposition between the SHTC (Zone 1) and the peripheral locations (Zone 2); consequently it appears that there may still be some uptake of metals from the live moss layer which is translocated to the Labrador tea leaves.

There were no notable increasing trends in metal concentrations in the Labrador tea leaves. Zinc concentrations increased in the Labrador tea leaves collected in June 2023 (Matrix 2024). This correlates to metals analysis on the 2023 high volume air samples that were collected when wildfires were most active in the region. Zinc concentrations in Labrador tea leaves collected in 2024 decreased to pre-fire (2022) levels indicating any increase in zinc concentrations was transient. Similarly zinc concentrations in the live moss were near or below pre-fire (2022) levels.

Arsenic and cadmium concentrations in the live moss have been increasing in recent years but there does not appear to be a connection between these increases and emissions from the SHTC.

Overall, the rate or magnitude of metal deposition near the SHTC may be somewhat elevated relative to background locations. The concentrations measured in the live moss (Matrix 2021) are still below Tier 1 guidelines and there is no evidence that metals are translocating into the underlying soil where most of the plant roots are situated (Matrix 2023) and no evidence that metals are accumulating in voles that frequent the area near the SHTC (WMC 2020).

Specific to mercury, there was no evidence of increased mercury deposition to any monitoring plot in 2024.

4.3 Polychlorinated Organic Compounds

A summary of key trends for organic parameters (PCBs and PCDD/PCDF) is presented below.

- PCB and TEQ concentrations are greater in the live moss relative to the Labrador tea leaves.
- PCB and TEQ values in the live moss and underlying soil met the Tier 1 soil guidelines protective of natural land uses.
- Generally, PCB compounds with a higher degree of chlorination and higher molecular weight were detected in the live moss and Labrador tea in 2024 This is consistent with previous years and what is understood regarding depositional patterns of PCB congeners from the atmosphere (Wania and Mackay 1996).
- There are no statistically significant long-term increasing trends for any PCBs or dioxin like PCBs (PCB TEQ) near the SHTC, based on the Mann-Kendall analysis (Appendix D; Table D.1). The trends in PCDD/DF TEQ were affected by the wildfires in 2023 as discussed below.

A detailed summary of trends is presented below, a statistical evaluation of these trends is presented in Appendices D, E, and F.

4.3.1 Vegetation (Live Moss and Labrador Tea)

Polychlorinated Biphenyls (Appendix E, Figures E.27 and E.28)

Aroclor PCB values were analyzed in the live moss to provide a comparison to A-PCB analysis in the underlying soil. A-PCBs were detected at plots 4, 109 and 114 which is consistent with historical trends. Total A-PCB concentrations at these three plots were greater than total congener PCB concentrations. The Aroclor method is less suited to analyzing weathered PCB sources and is more prone to interferences. Also the detection limit for the A-PCB method is several orders of magnitude greater then the HRMS method. The total congener (LRMS and HRMS) PCB data was used to evaluate spatial and temporal trends.

Spatially, PCB concentrations in the live moss and Labrador tea are greatest near the SHTC at Plots 4, 109, and 114. PCB concentrations decrease with distance from the SHTC as shown on the box plot. In 2024 the live moss and Labrador tea leaves were sampled from the expanded plots. PCB concentrations in the expanded program plots were analyzed using LRMS and consequently, detection limits have decreased by several orders of magnitude relative to data collected prior to 2019. Currently PCB levels in the Labrador tea downwind of the SHTC, near Plot 16, are comparable to background levels. Elevated PCB concentrations in the live moss extend further east with concentrations at Plot 402 approaching background levels. Relative to historical values, PCB concentrations in the live moss and Labrador tea have decreased at the expanded plots and the area affected by current PCB emissions is also decreasing (Figures 4a to 5e).

2024 PCB concentrations in the live moss and Labrador tea leaves were near or below the historical median values. More specifically PCB concentrations in the live moss were similar to 2023 values and PCB concentrations in the Labrador tea leaves were below 2023 values.

There is a statistically significant long-term decreasing trend in PCB concentrations in the live moss and Labrador tea at all plots including background Plot 70 (Appendix D).

Toxic Equivalent Values (Appendix E, Figures E.29 to E.34)

Co-planar PCBs (PCB TEQ) represent a significant proportion of the total TEQ value in those plots situated near the SHTC (Plots 4, 11, 109, and 114) and PCDD/PCDF TEQ becomes proportionally greater with distance.

Spatially PCB TEQ concentrations are elevated at plots near the SHTC Plots 4, 11, 109, and 114. The PCDD/DF TEQ concentrations are elevated at plots 4, 11, 109, and 114 in the live moss; however, concentrations are not noticeably elevated in the Labrador tea. The total TEQ value represents the combined toxicity of PCDD, PCDF, and dioxin-like PCB compounds, and spatially is elevated near the SHTC.

PCB TEQ, PCDD/DF TEQ, and total TEQ concentrations in the live moss were similar to or increased relative to 2023 concentrations. PCB TEQ, PCDD/DF TEQ, and total TEQ concentrations in the Labrador tea were similar to or decreased relative to 2023 concentrations. PCB TEQ, PCDD/DF TEQ, and total TEQ concentrations where within historical ranges in both the Labrador tea and live moss in 2024. Medium and long-term trends are discussed below and also summarized in Appendix D (summary statistics) and Appendices E and F (trend graphs):

- The Mann-Kendall trend test indicates that there are statistically significant decreasing trends in PCB TEQ concentrations near the SHTC in the live moss at Plots 4, 11, and 114 and at several more peripheral plots. Similarly statistically significant decreasing trends in PCB TEQ are noted in the Labrador tea at Plots 4, 11, 109, and 114. Increasing trends in the Labrador tea at background Plots 70, 71, and peripheral monitoring Plot 402 were deemed statistically significant.
- The Mann-Kendall trend test indicates that there are statistically significant decreasing trends in PCDD/DF TEQ concentrations in the live moss at all plots. A statistically significant decreasing trend in PCDD/DF TEQ was noted in the Labrador tea at Plot 4. Increasing trends in the Labrador tea at peripheral monitoring plots 123 and 402 were deemed statistically significant; although visually this trend is not apparent and the significant Mann-Kendall test statistic is an artifact. The PCDD/DF TEQ values in the Labrador tea in 2024 are substantially lower then 2023 and comparable to the historical median concentration.
- Trends in total TEQ concentrations at the monitoring plots near the SHTC are similar to trends discussed for PCB TEQ concentrations, whereas total TEQ trends at the peripheral plots are affected primarily by changes in PCDD/DF TEQ. Total TEQ concentrations are decreasing in the live moss at most plots, but in the Labrador tea the decreasing trend in total TEQ concentrations is only deemed significant at plot 4. There is a statistically significant increasing trend in total TEQ concentrations in Labrador tea at plots 123 and 402; although visually this trend is not apparent.

4.3.2 Soils

In 2024 soil samples from the underlying organic (5 to 15 cm thickness) and mineral soil (0 to 15 cm depth), at the ten annual plots, was sampled and analyzed for A-PCBs and LRMS PCBs. Prior to 2024 the soils at these plots had been analyzed for Aroclor PCBs only. The LRMS method has improved detection limits and accuracy relative to the A-PCB method and a decision was made with Veolia to transition to the LRMS method when analyzing soil samples for PCBs during the expanded program. There was some variability between the total A-PCB concentrations and LRMS PCB concentrations. As discussed previously in this section the LRMS method is considered a more accurate method of analysis and the results of the LRMS analysis is discussed below and shown on Table 14.

The organic layer at all plots, except Plot 402, contained detectable PCBs. The trends in PCB concentrations are discussed below:

- Spatially the total PCB concentration, in the organic layer, was greatest at Plot 4 (0.156 mg/kg) consistent with the live moss data. PCB concentrations at Plots 11, 109, 110, 114, 117, and 123 also were elevated (0.00497 mg/kg to 0.0563 mg/kg) relative to background conditions at Plot 70 and 71; this is consistent with trends observed in the live moss.
    - PCB concentrations in the organic layer, at Plot 4, were greater then 2019 but consistent with historical values measured between 2004 and 2014 (AMEC 2015).
- In the underlying mineral soils the total PCB concentrations were several orders of magnitude below the Tier 1 guideline.

- Low levels of PCBs (0.00037 mg/kg to 0.00301 mg/kg) were detected in the mineral soil from 0 to 5 cm, at Plots 4, 109, 114, and 117. Note that these concentrations would not be detected historically using the A-PCB method.
- Low levels of PCBs (0.00064 mg/kg to 0.00291 mg/kg) were detected in the mineral soil at 5 cm to 15 cm, at Plots 4 and 109. Note that these concentrations would not be detected historically using the A-PCB method.

4.3.3 Significance

There is no evidence that PCB or PCDD/DF emissions from the SHTC increased in 2024.

PCB concentrations in live moss near or downwind of the SHTC is decreasing. PCB concentrations in the Labrador tea are also decreasing and the area with elevated PCB concentrations has also decreased.

Dioxin like PCBs (PCB TEQ) are elevated in both the Labrador tea and live moss near the SHTC, whereas, PCDD/DF compounds are only elevated in the live moss. Overall the total TEQ value in the live moss is decreasing. The PCB TEQ in Labrador tea near the SHTC is decreasing. There was an increase in the PCDD/DF TEQ in the Labrador tea in 2023, but concentrations decreased in 2024. Overall there is no trend in total TEQ values, except for a decrease at Plot 4

PCBs are present in the organic soil horizon at those annual plots situated near the SHTC. PCB concentrations in the organic soil meet the Tier 1 guidelines and are unlikely to migrate vertically into the soil. This is evident by a 2-order magnitude decrease in PCB concentrations from the organic soil horizon to the mineral soil at 15 cm depth.

4.4 Lichen Vitality

In 2024 the health of lichen at the moss bag plots was documented (Table 16) and all three sub-sites were photographed (Appendix H). The following plots appeared to demonstrate a decrease in lichen health in 2024 relative to 2023:

MB1 (1-3) - The health of the lichen at sub-site 1-3 decreased by one rating unit in 2024 relative to 2023. Conversely the health of the lichen at subsites 1-1 and 1-2 remained unchanged.

MB2 (2-3) - The health of the lichen at sub-site 2-3 decreased by one rating unit in 2024 relative to 2023. Conversely the health of the lichen at subsites 2-1 and 2-2 remained unchanged.

MB71 (71-2) - The health of the lichen at sub-site 71-2 decreased by one rating unit in 2024 relative to 2023. Conversely the health of the lichen at subsite 71-1 was unchanged and the health of the lichen at 71-3 increased.

An increase in lichen vigour was observed at four plots (4-1, 15-2, 50-3, and 71-3).

Overall decreased vigour was only observed at three lichen subsites and at all plots at least 2 of 3 lichen sites remained unchanged or had improved health.

4.5 Quality Control Sample Results

4.5.1 Sampling Precision

A summary of quality control (QC) sample results is provided in Tables 18a to 21. An explanation of Montrose's quality assurance/quality control (QA/QC) protocol is provided in Appendix K.

The reproducibility of blind field duplicates was generally considered to be good (RPDs less then 40%). Duplicate parameters values that did not meet the "good" criteria were encountered in soil or live moss samples which are more difficult to homogenize and have increased spatial variability at the plots. The instances where reproducibility was poor are described below and reanalysis of these samples did not uncover any laboratory errors.

- The reproducibility of chromium and nickel in the blind duplicate sample collected from the live moss at Plot 402 was rated poor (Table 18a; RPD 44 to 57%). Reanalysis of the duplicate samples confirmed that the distribution of these metals was heterogenous in the sample.
- The reproducibility of pH and EC in the blind duplicate sample collected from the live moss at Plot 109 was rated poor (Table 18b). Reanalysis of the duplicate samples confirmed that the distribution of these parameters is heterogenous in this sample.
- The reproducibility of total congener PCBs in the blind duplicate sample collected from the live moss at Plot 6 was rated poor (Table 18d; RPD 79%). Reanalysis of the duplicate samples confirmed that the distribution of these parameters is heterogenous in this sample.
- The reproducibility of total congener PCBs in the blind duplicate sample collected from the soil at Plot 109 was rated poor (Table 20b; RPD 138%). Reanalysis of the duplicate samples confirmed that the distribution of these parameters is heterogenous in the sample.

The concentrations of PCBs were less than the detection limit in all field blanks collected (Table 21), indicating that sample contamination did not occur during sample collection and transport.

4.5.2 Laboratory Quality Assurance

Laboratory QA/QC procedures are summarized in Appendix C. As instructed by Veolia, ALS provided a Level IV data package for the organic analysis. Montrose reviewed the laboratory data and QC results provided by ALS and deemed the data to be reliable.

5 SUMMARY

Overall, the monitoring program indicates that historical emissions from the facility have caused certain metals and polychlorinated compounds to accumulate in the surrounding terrestrial environment. However, current emissions from the SHTC do not appear to be leading to continued accumulation in the surrounding environment, except for zinc in the live moss. In 2024 zinc and TEQ concentrations in the Labrador tea decreased to pre-fire (pre-2023) levels and concentrations in the live moss did not increase substantially between 2022 and 2024; the monitoring data reported in 2024 indicates that the effect of the 2023 wildfires on metallic and polychlorinated compounds was transient. Specific to mercury there

was no evidence of increased mercury deposition to any monitoring plot in 2024. The reduced activity at the SHTC also may be further reducing emissions to the surrounding terrestrial environment.

The following summarizes the results of the 2024 monitoring program.

Moss

- Concentrations of metals (one or more of aluminum, antimony, arsenic, cadmium, chromium, copper, lead, mercury, molybdenum, nickel, silver, tin, and zinc) have been elevated at plots near the SHTC (plots 4, 109, and 114). Metal concentrations are below the *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (Tier 1; EPA 2024) protective of the eco soil contact pathway providing assurance that current metal levels are not affecting plant productivity and health.
    - Cadmium is increasing at Plot 114 but it still within its historical range and similar fluctuations in cadmium levels have occurred in the past.
    - Zinc concentrations have increased at plots near the SHTC (Plots 4, 109, 114, 117, and 123), although concentrations have stabilized in recent years.
- Polychlorinated organic compounds (PCBs and total TEQ) are most elevated at the plots surrounding the SHTC Plots 4, 11, 109, 110, and 114, but concentrations are decreasing in the live moss.

Labrador Tea

- The concentration of antimony, arsenic, cadmium, lead, molybdenum, nickel and zinc were elevated at the plots near the SHTC, which is consistent with historical results. Overall, the rate or magnitude of metal deposition near the SHTC may be somewhat elevated relative to background locations.
    - Zinc concentrations increased in the Labrador tea leaves collected in June 2023, however, zinc concentrations in Labrador tea leaves collected in 2024 decreased to pre-fire (2022) levels indicating any increase in zinc concentrations was transient.
- TEQ values in the Labrador tea leaves increased substantially in 2023 due to the wildfires. In 2024 TEQ concentrations decreased to pre-wildfire (2022) levels.
- PCBs and the total TEQ value in the Labrador tea surrounding the SHTC is decreasing over time.

Soils

- Samples collected from the underlying organic and mineral soil (0 to 15 cm depth) confirmed that PCBs are sequestered in the organic layer at the surface of the forest floor.

Ambient Air Monitoring

- TSP data analyzed from 2023 indicated that increased particulate from the forest fires resulted in increased metal deposition. Based on an increase in the concentration of copper, lead and zinc, fly ash appeared to be detected in the TSP samples during the fly ash pilot, although the amount of particulate captured during the test was minimal and ambient concentrations were low.
- In the moss bags there was no statistically significant differences in metal concentrations between Zones 1 and 2 and there were no obvious differences in metal concentrations between moss bag plots.

- In 2022 moss bags were also deployed at fenceline air monitoring Sites 1 (downwind of the Solidification and Stabilization building), 5 (upwind of the SHTC) and 9 (downwind of the landfill). Most metallic parameters were elevated at Site 9 relative to Sites 1 and 5; although metal concentrations at all three sites decreased relative to 2023.
- A decrease in vigour was only observed at 3 of the 45 lichen sub-sites and overall the vitality of lichen appeared to be unchanged relative to the previous monitoring period in 2023. Overall, there is no evidence that emissions from the SHTC are affecting lichen health.

6 RECOMMENDATIONS

In 2025 the annual plots will be sampled and analyzed as per the updated monitoring schedule in Appendix A1. Recommended changes to the monitoring program for 2025 include:

- Shifting Plot 117 to the expanded program: This plot is situated 1.4 km by foot from the southeast edge of the SHTC. Approximately 1 km of the route to access the plot is through a revegetated cut block. The plot was more easily accessed earlier in the program before the cut block had revegetated; currently it is the most remote plot in the program and there are safety risks with accessing the plot. This plot has been affected by historical PCB emissions but PCB concentrations have been decreasing at this plot over 10 year period. The most recent emissions modelling indicates this plot is situated east of the area that would receive most of the PCB, PCDD/DF and metal emissions from the SHTC, there are plots nearer to the SHTC that will capture peak downwind emissions (plots 4 and 114). It is recommended that this plot be removed from the annual monitoring program and sampled every 5 years as part of the expanded program.
- Removal of moss bag Plot MB22: This plot is situated 2km (by foot) south of the SHTC. The plot is situated in emissions Zone 2 which is an area that is expected to be outside the primary emissions zone around the SHTC. Since the acid washing step was incorporated into moss bag preparations (in 2019), metal concentrations at MB22 have been similar to background plot 71. The former winter logging road that led south to this site is partially reclaimed, stream crossings are removed and there are increased safety risks with accessing the plot. It is suggested that MB22 be removed from the monitoring program, and a moss bag be established at Plot 114 to monitor metal deposition at this plot where some recent increases in arsenic and cadmium have been noted. Also MB20 is situated south of the SHTC in Zone 1 and provides a means to monitor emissions which may be dispersing in a southerly direction.

Implementation of these recommendation would not impact the integrity of the monitoring program as outlined above. It is also important to note that a facility upset resulting in offsite emissions of significant magnitude would result in soil and vegetation sampling at selected sites immediately following the incident. The number/location of sites and analytical scope would be based on meteorological conditions and the nature of the release.

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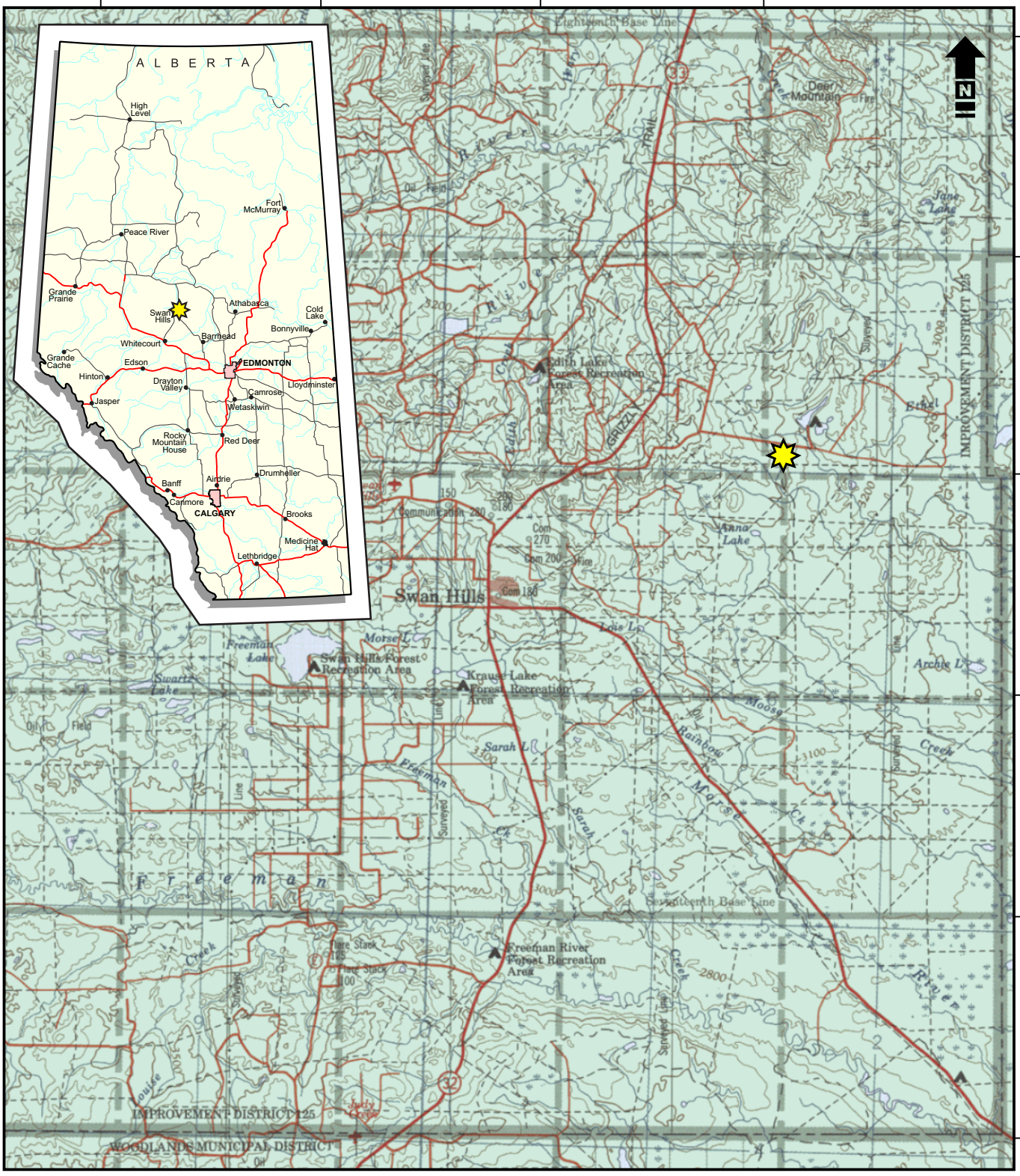

Site Location

MONTROSE ENVIRONMENTAL

Veolia Waste Services Alberta Inc.
Swan Hills Treatment Centre W1/2-06-067-08 W5M

Site Location Plan

Date:	Project:	Technical:	Reviewer:	Drawn:
February 2016	15867-LP-15	L. Oiffer	D. Keyes	J. Li

Figure 1

Reference: 83J (Whitecourt), Edition 2, UTM Zone 11, NAD 83

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1:250,000 metres
2,500 0 2,500 5,000

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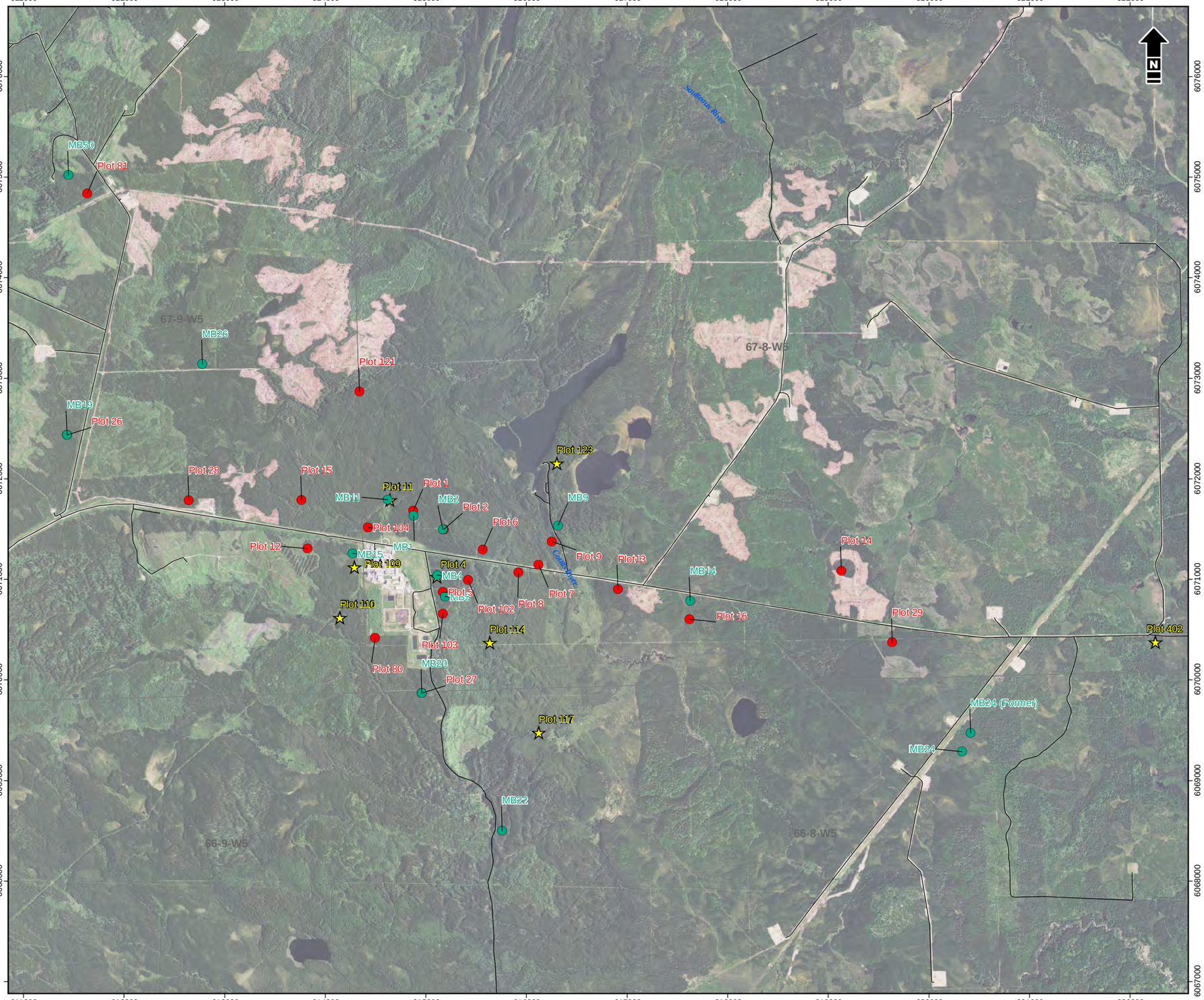
Easting (m)

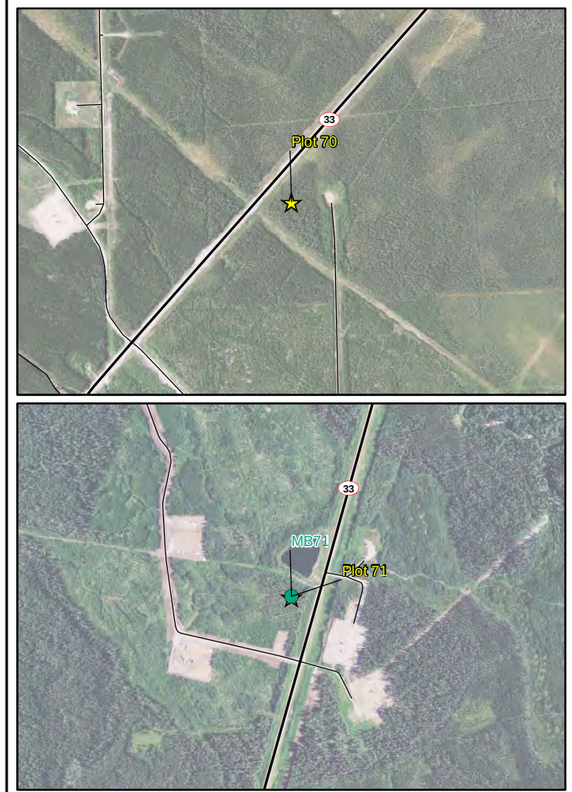
611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000



Road
Annual Monitoring Location
Expanded Program Monitoring Location
Moss Bag Monitoring Location



1:40,000 metres
420 0 420 840
NAD 1983 UTM Zone 11N

Reference: Data obtained from AltaLIS © Government of Alberta used under license.
GDM transportation infrastructure data provided by IHS © 2017 used under license.
Imagery (2014) obtained from Valtus © (2017) used under license.

MONTROSE ENVIRONMENTAL

Veolia Waste Services Alberta Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Soil and Vegetation Plots

Date:	Project:	Submitter:	Reviewer:
Sep 2017	15867	L. Oiffer	K. Ostermann

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Figure 2

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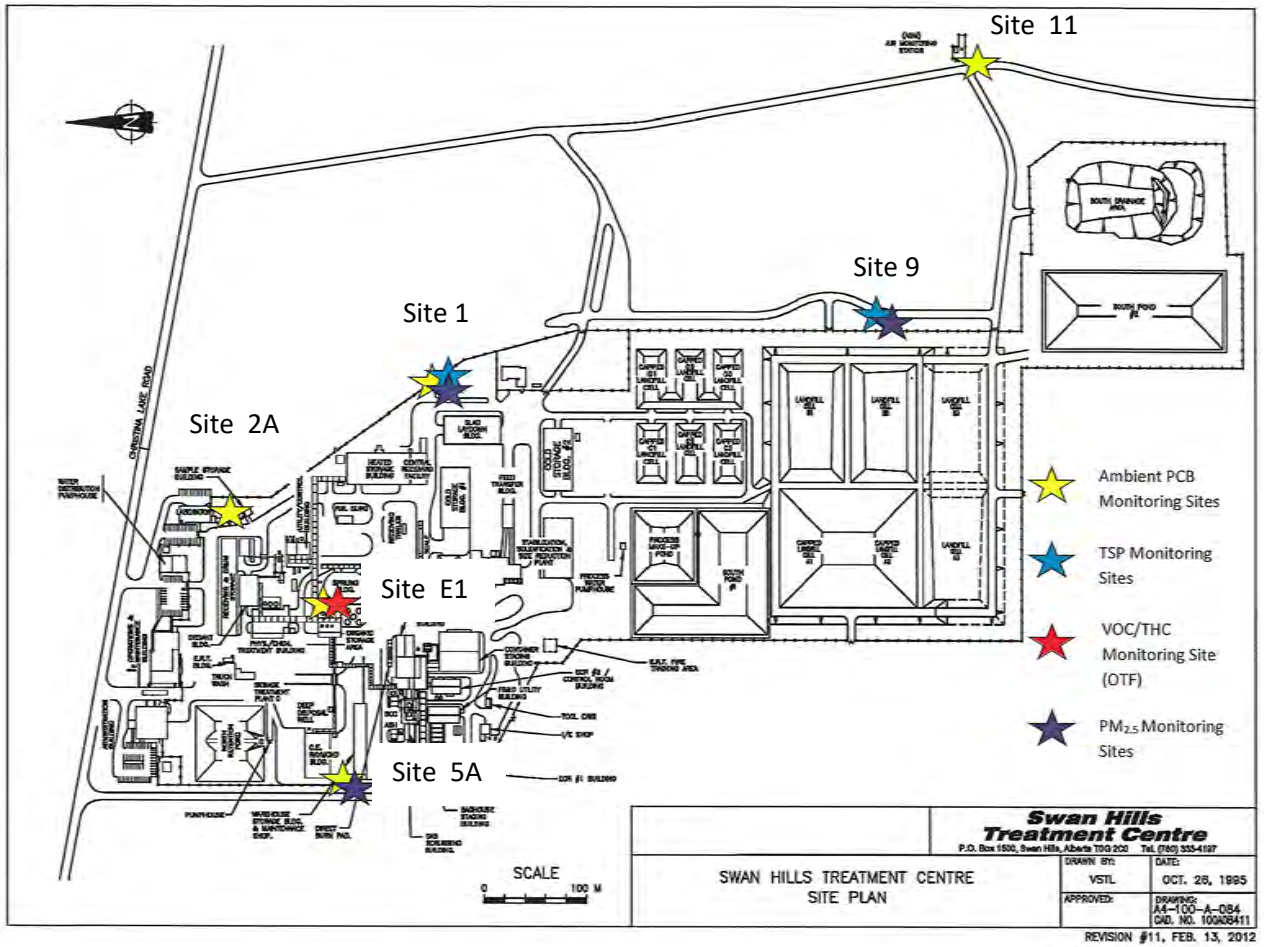

MONTROSE ENVIRONMENTAL

Veolia Waste Services Alberta Inc.
Swan Hills Treatment Centre

Air Sampling Device Locations

Date:	Project:	Submitter:	Reviewer:
January 7, 2022	15867	L. Oiffer	K. Ostermann

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Figure 3

Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Saulteaux River

Courtes River

Plot 81
0.000467

Plot 26
0.000751

Plot 28
0.00103

Plot 121
0.0167

Plot 15
0.0101

Plot 11
0.0172

Plot 1
0.00843

Plot 2
0.00906

Plot 6
0.00498

Plot 9
0.00198

Plot 123
0.00267

Plot 12
0.0154

Plot 104
0.0287

Plot 4
0.199

Plot 102
0.0436

Plot 7
0.00445

Plot 13
0.00898

Plot 14
0.00076

Plot 16
0.00194

Plot 109
0.0913

Plot 8
0.00582

Plot 110
0.011

Plot 5
0.117

Plot 103
0.162

Plot 114
0.0335

Plot 29
0.00191

Plot 402
0.000434

Plot 27
0.00403

Plot 80
0.00675

Plot 117
0.00912

N

Road

Annual Monitoring Location

Expanded Program Monitoring Location

Total PCB (mg/kg)

< 0.01

0.01 - 0.06

0.06 - 0.2

1:40,000 metres

420 0 420 840

NAD 1983 UTM Zone 11N

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.

Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Live Moss – 2024

Date:	Project:	Submitter:	Reviewer:
January 2025	15867	L. Oiffer	K. Ostermann

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Figure 4a

I:\SU\EZC\anda\WasteServices\15867\FiguresAndTables\MON2025\Client\Figure-4a-PCB_Concentrations_Live_Moss-2024.mxd - Table\d_L - 31-Jan-25, 04:13 PM - rwilty - TI0005

Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Smoteaux River

Carrs River

Plot 81 <0.050

Plot 26 <0.050

Plot 121 <0.050

Plot 123 <0.050

Plot 28 <0.050

Plot 15 <0.050

Plot 104 <0.050

Plot 11 <0.050

Plot 1 0.029

Plot 2 <0.050

Plot 6 <0.050

Plot 9 <0.050

Plot 12 <0.050

Plot 4 0.427

Plot 102 <0.050

Plot 109 0.612

Plot 5 0.341

Plot 8 0.089

Plot 7 <0.050

Plot 110 <0.050

Plot 103 0.778

Plot 114 0.283

Plot 80 <0.050

Plot 27 <0.050

Plot 117 <0.050

Plot 13 <0.050

Plot 14 <0.050

Plot 16 <0.050

Plot 29 <0.050

Plot 402 <0.050

N

Road

Annual Monitoring Location

Expanded Program Monitoring Location

Total PCB (mg/kg)

- < 0.05
- 0.05 - 0.06
- 0.06 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2

1:40,000 metres

420 0 420 840

NAD 1983 UTM Zone 11N

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.

Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Live Moss – 2014

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

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Figure 4b

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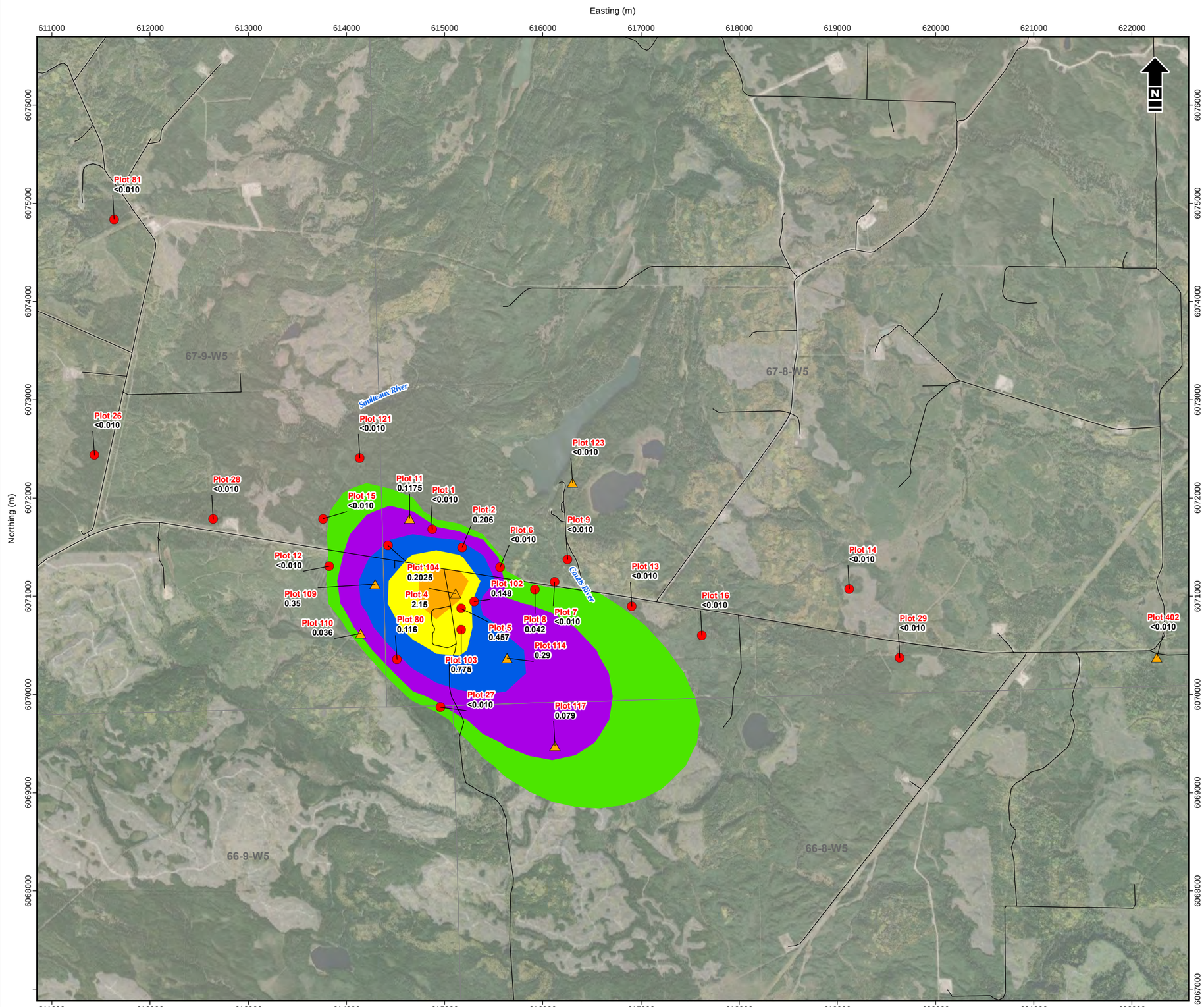
Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000



- Road
- Annual Monitoring Location
- Expanded Program Monitoring Location

Total PCB (mg/kg)

- < 0.01
- 0.01 - 0.06
- 0.06 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2

1:40,000 metres

420 0 420 840

NAD 1983 UTM Zone 11N

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MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Live Moss – 2009

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

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Figure 4c

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Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

N

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Saulteaux River

Courte River

Plot 81 <0.01

Plot 26 <0.01

Plot 121 <0.01

Plot 123 <0.01

Plot 28 <0.01

Plot 11 0.16

Plot 1 0.06

Plot 15 0.07

Plot 2 0.16

Plot 104 0.46

Plot 6 0.07

Plot 9 0.03

Plot 12

Plot 4 1.8

Plot 102 0.52

Plot 109 0.34

Plot 8 0.06

Plot 7 0.04

Plot 110 0.04

Plot 103 1.5

Plot 5 1.6

Plot 114 0.3

Plot 27 0.05

Plot 80 0.04

Plot 117 0.04

Plot 13 0.05

Plot 14 <0.01

Plot 16 0.02

Plot 29 <0.01

Plot 402 <0.01

Road

Annual Monitoring Location

Expanded Program Monitoring Location

Total PCB (mg/kg)

- < 0.01
- 0.01 - 0.06
- 0.06 - 0.2
- 0.2 - 0.5
- 0.5 - 1
- 1 - 2

1:40,000

420 0 420 840 metres

NAD 1983 UTM Zone 11N

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.

Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Live Moss – 2004

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

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Figure 4d

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Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

N

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Smoke River

Smoke River

Plot 81
<0.000822

Plot 26
<0.000900

Plot 121
<0.000775

Plot 123
0.0008

Plot 28
<0.000705

Plot 15
<0.000764

Plot 11
0.003

Plot 1
<0.000913

Plot 104
0.00666

Plot 2
0.00184

Plot 6
0.00126

Plot 9
<0.000681

Plot 12
<0.000938

Plot 109
0.01

Plot 13
<0.000890

Plot 14
<0.000703

Plot 4
0.0428

Plot 102
0.011

Plot 16
<0.000700

Plot 7
<0.000797

Plot 110
0.001

Plot 103
0.0213

Plot 5
0.0269

Plot 8
0.00113

Plot 29
<0.000723

Plot 402
0.0006

Plot 114
0.009

Plot 27
<0.000868

Plot 80
<0.000728

Plot 117
0.002

Coutts River

Road
Annual Monitoring Location
Expanded Program Monitoring Location

Total PCB (mg/kg)

< 0.01
0.01 - 0.06

1:40,000 metres
420 0 420 840
NAD 1983 UTM Zone 11N

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Labrador Tea – 2024

Date:	Project:	Submitter:	Reviewer:
January 2025	15867	L. Oiffer	K. Ostermann

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Figure 5a

I:\SU\EZC\anadaWasteServices\15867\FiguresAndTables\MON2025\Client\Figure-5a-PCB_Concentrations_Labrador_Tea-2024.mxd - Tabloid_L - 31-Jan-25, 04:13 PM - nwitty - TID005

Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Soulteaux River

Coutts River

Plot 31
0.00002

Plot 26
0.000025

Plot 121
0.000555

Plot 28
0.00015

Plot 15
0.00339

Plot 11
0.00511

Plot 1
0.00339

Plot 2
0.00462

Plot 6
0.00335

Plot 12
0.00197

Plot 109
0.0261

Plot 104
0.0102

Plot 4
0.071

Plot 5
0.0582

Plot 110
0.00157

Plot 80
0.0018

Plot 102
0.0329

Plot 103
0.0377

Plot 114
0.00954

Plot 27
0.00153

Plot 8
0.00374

Plot 7
0.00182

Plot 123
0.000601

Plot 9
0.000914

Plot 13
0.00157

Plot 16
0.000631

Plot 14
0.000078

Plot 29
0.000194

Plot 402
0.0003

Plot 117
0.00224

Road

Expanded Program Monitoring Location

Annual Monitoring Location

Total PCB (mg/kg)

< 0.01

0.01 - 0.06

0.06 - 0.2

N

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1:40,000 metres

420 0 420 840

NAD 1983 UTM Zone 11N

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.

Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Labrador Tea – 2019

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

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Figure 5b

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Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Smoke River

Plot 31
0.005

Plot 26
0.005

Plot 28
0.013

Plot 121
0.005

Plot 15
0.005

Plot 11
0.03

Plot 1
0.005

Plot 2
0.015

Plot 6
0.01

Plot 12
0.011

Plot 109
0.102

Plot 104
0.046

Plot 4
0.161

Plot 5
0.143

Plot 110
0.01

Plot 30
0.01

Plot 102
0.048

Plot 103
0.131

Plot 8
0.012

Plot 7
0.005

Plot 27
0.005

Plot 114
0.024

Plot 123
0.005

Plot 9
0.005

Plot 13
0.005

Plot 14
0.005

Plot 16
0.005

Plot 29
0.005

Plot 402
0.005

Plot 117
0.005

N

Road
Expanded Program Monitoring Location
Annual Monitoring Location

Total PCB (mg/kg) - 2014

< 0.01
0.01 - 0.06
0.06 - 0.2

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1:40,000 metres
420 0 420 840
NAD 1983 UTM Zone 11N

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Labrador Tea – 2014

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

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Figure 5c

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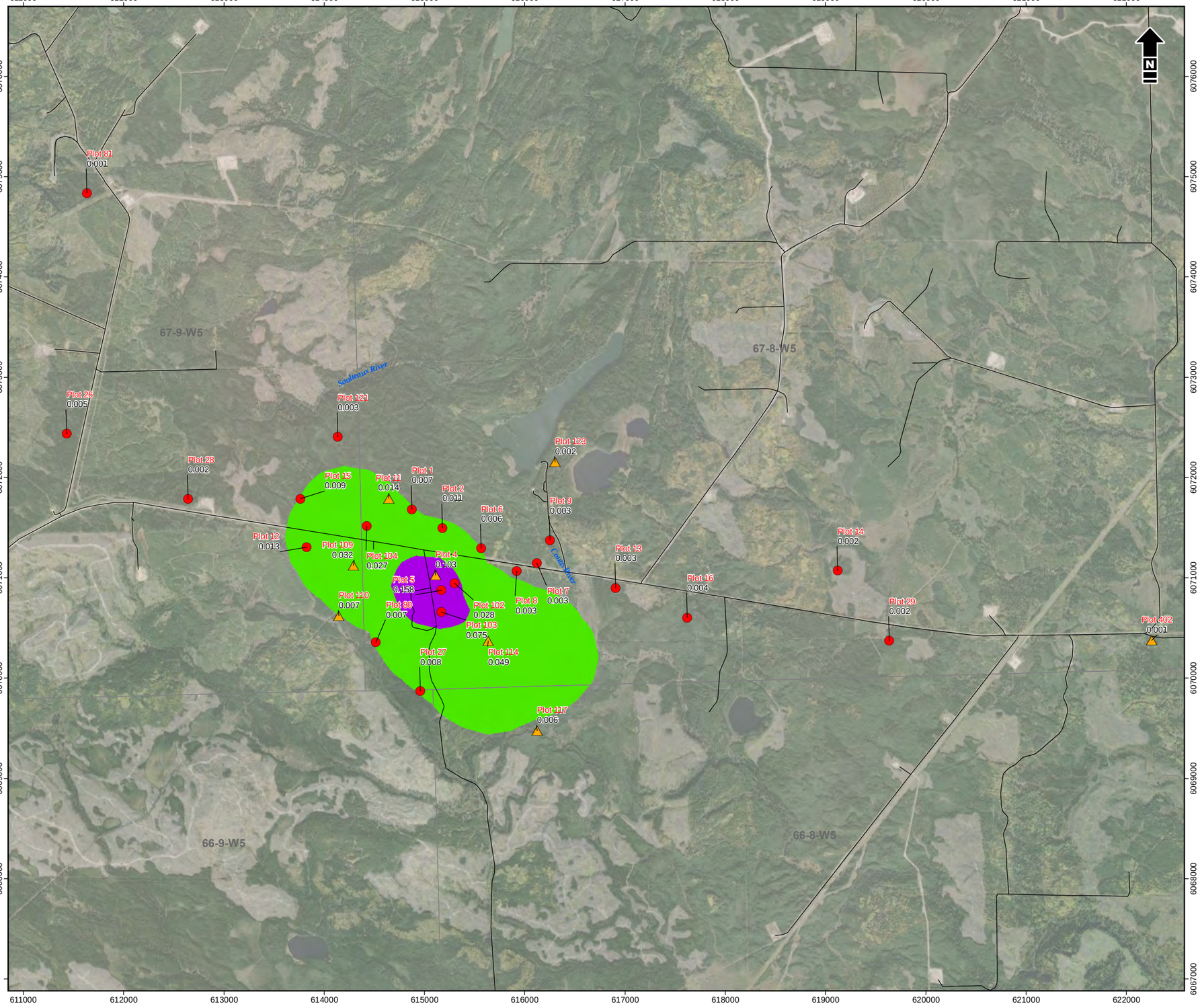
Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000



Road

Expanded Program Monitoring Location

Annual Monitoring Location

Total PCB (mg/kg) - 2009

- < 0.01
- 0.01 - 0.06
- 0.06 - 0.2

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

1:40,000 metres

420 0 420 840

NAD 1983 UTM Zone 11N

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.

Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Labrador Tea – 2009

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

Disclaimer: Third party materials used in this report have not been independently verified and will not be updated for future changes. Montrose Environmental Solutions Canada Inc. has made customary efforts to ensure the accuracy of such materials at the time of publication, however we do not accept any liability for errors, omissions, or inaccuracies in same. Where attached to a report, this figure/drawing is subject to the limitations and conditions stated therein.

Figure 5d

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Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

67-9-W5

67-8-W5

66-9-W5

66-8-W5

Soulteaux River

Cowan River

Plot 31 0.005
Plot 26 0.005
Plot 28 0.005
Plot 121 0.005
Plot 15 0.005
Plot 11 0.04
Plot 1 0.01
Plot 2 0.02
Plot 6 0.005
Plot 12 -
Plot 123 -
Plot 9 0.005
Plot 103 0.13
Plot 104 0.1
Plot 4 0.26
Plot 5 0.15
Plot 110 0.01
Plot 80 0.005
Plot 102 0.02
Plot 8 0.005
Plot 7 0.005
Plot 103 0.13
Plot 114 0.06
Plot 27 0.005
Plot 117 0.005
Plot 13 0.005
Plot 14 0.005
Plot 16 0.005
Plot 29 0.005
Plot 402 0.005

N

Road
Expanded Program Monitoring Location
Annual Monitoring Location

Total PCB (mg/kg) - 2004

< 0.01
0.01 - 0.06
0.06 - 0.2

1:40,000 metres
420 0 420 840
NAD 1983 UTM Zone 11N

Reference: Data obtained from Altalis © Government of Alberta used under license. Based on data provided by geoLOGIC systems ltd. Imagery (2023) Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

MONTROSE ENVIRONMENTAL

Veolia Waste Services Canada Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

PCB Concentrations Labrador Tea – 2004

Date:	Project:	Submitter:	Reviewer:
February 2025	15867	L. Oiffer	K. Ostermann

Disclaimer: Third party materials used in this report have not been independently verified and will not be updated for future changes. Montrose Environmental Solutions Canada Inc. has made customary efforts to ensure the accuracy of such materials at the time of publication, however we do not accept any liability for errors, omissions, or inaccuracies in same. Where attached to a report, this figure/drawing is subject to the limitations and conditions stated therein.

Figure 5e

I:\SU\EZC\canada\WasteServices\15867\FiguresAndTables\MON2025\Client\Figure-5e-PCB_Concentrations_Labrador_Tea-2004.mxd - TaltonD_L - 02-Feb-25, 10:51 PM - rwilty - TID005

TABLE 1a

Sample Program

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	UTM (m)		MSI Sample Number	Metals[1]	Nutrients[2]	Aroclor PCBs	PCBs (HRMS)	PCBs (LRMS)	PCDD/PCDF
		Northing	Easting							
Soils										
Plot 4 (11-0cm)	29-May-24	6071027	615111	15867240529213			x		x	
Plot 4 (0-5cm)	29-May-24	6071027	615111	15867240529214			x		x	
Plot 4 (5-15cm)	29-May-24	6071027	615111	15867240529215			x		x	
Plot 11 (5-0cm)	28-May-24	6071792	614644	15867240528207			x		x	
Plot 11 (0-5cm)	28-May-24	6071792	614644	15867240528208			x		x	
Plot 11 (5-15cm)	28-May-24	6071792	614644	15867240528209			x		x	
Plot 70 (7-0cm)	30-May-24	6067388	603071	15867240530231			x		x	
Plot 70 (0-5cm)	30-May-24	6067388	603071	15867240530233			x		x	
Plot 70 (5-15cm)	30-May-24	6067388	603071	15867240530235			x		x	
Plot 71 (9-0cm)	30-May-24	6090717	610660	15867240530228			x		x	
Plot 71 (0-5cm)	30-May-24	6090717	610660	15867240530229			x		x	
Plot 71 (5-15cm)	30-May-24	6090717	610660	15867240530230			x		x	
Plot 109 (15-0cm)	29-May-24	6071109	614333	15867240529216			x		x	
Plot 109 (0-5cm)	29-May-24	6071109	614333	15867240529218			x		x	
Plot 109 (5-15cm)	29-May-24	6071109	614333	15867240529220			x		x	
Plot 109* (15-0cm)	29-May-24	6071109	614333	15867240529217			x		x	
Plot 109* (0-5cm)	29-May-24	6071109	614333	15867240529219			x		x	
Plot 109* (5-15cm)	29-May-24	6071109	614333	15867240529221			x		x	
Plot 110 (15-0cm)	29-May-24	6070621	614146	15867240529210			x		x	
Plot 110 (0-5cm)	29-May-24	6070621	614146	15867240529211			x		x	
Plot 110 (5-15cm)	29-May-24	6070621	614146	15867240529212			x		x	
Plot 114 (5-0cm)	30-May-24	6070370	615636	15867240530225			x		x	
Plot 114 (0-10cm)	30-May-24	6070370	615636	15867240530226			x		x	
Plot 114 (10-15cm)	30-May-24	6070370	615636	15867240530227			x		x	
Plot 117 (5-0cm)	30-May-24	6069476	616123	15867240530222			x		x	
Plot 117 (0-5cm)	30-May-24	6069476	616123	15867240530223			x		x	
Plot 117 (5-15cm)	30-May-24	6069476	616123	15867240530224			x		x	
Plot 123 (5-0cm)	28-May-24	6072155	616302	15867240528204			x		x	
Plot 123 (0-5cm)	28-May-24	6072155	616302	15867240528205			x		x	
Plot 123 (5-15cm)	28-May-24	6072155	616302	15867240528206			x		x	
Plot 402 (10-0cm)	27-May-24	6070378	622256	15867240527201			x		x	
Plot 402 (0-5cm)	27-May-24	6070378	622256	15867240527202			x		x	
Plot 402 (5-15cm)	27-May-24	6070378	622256	15867240527203			x		x	

TABLE 1a

Sample Program

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	UTM (m)		MSI Sample Number	Metals[1]	Nutrients[2]	Aroclor PCBs	PCBs (HRMS)	PCBs (LRMS)	PCDD/PCDF
		Northing	Easting							
Labrador Tea Leaves										
Plot 1	28-May-24	6071499	615180	15867240528115					x	
Plot 2	28-May-24	6071680	614875	15867240528116					x	
Plot 4	29-May-24	6071027	615111	15867240529126	x			x		x
Plot 5	29-May-24	6070876	615167	15867240529130					x	
Plot 6	28-May-24	6071317	615555	15867240528112					x	
Plot 6*	28-May-24	6071317	615555	15867240528113					x	
Plot 7	28-May-24	6071148	616122	15867240528110					x	
Plot 8	28-May-24	6071068	615921	15867240528111					x	
Plot 9	28-May-24	6071376	616251	15867240528108					x	
Plot 9*	28-May-24	6071376	616251	15867240528109					x	
Plot 11	28-May-24	6071792	614644	15867240528117	x			x		x
Plot 12	28-May-24	6071306	613823	15867240528118					x	
Plot 13	27-May-24	6070904	616908	15867240527106					x	
Plot 14	27-May-24	6071087	619130	15867240527104					x	
Plot 15	29-May-24	6071310	613824	15867240529122					x	
Plot 16	27-May-24	6070606	617622	15867240527105					x	
Plot 26	28-May-24	6072436	611432	15867240528120					x	
Plot 27	30-May-24	6069869	614958	15867240530133					x	
Plot 28	28-May-24	6071785	612645	15867240528119					x	
Plot 29	27-May-24	6070373	619636	15867240527103					x	
Plot 70	30-May-24	6067388	603071	15867240530137	x			x		x
Plot 71	30-May-24	6090717	610660	15867240530136	x			x		x
Plot 80	29-May-24	6070420	614497	15867240529125					x	
Plot 81	28-May-24	6074838	611636	15867240528121					x	
Plot 102	29-May-24	6070994	615418	15867240529131					x	
Plot 103	29-May-24	6070658	615171	15867240529132					x	
Plot 104	28-May-24	6071516	614425	15867240528114					x	
Plot 109	29-May-24	6071109	614333	15867240529128	x			x		x
Plot 109*	29-May-24	6071109	614333	15867240529129	x			x		x
Plot 110	29-May-24	6070621	614146	15867240529124	x			x		x
Plot 114	30-May-24	6070370	615636	15867240530135	x			x		x
Plot 117	30-May-24	6069476	616123	15867240530134	x			x		x
Plot 121	29-May-24	6072855	614343	15867240529123					x	
Plot 123	28-May-24	6072155	616302	15867240528107	x			x		x
Plot 402	27-May-24	6070378	622256	15867240527101	x			x		x
Plot 402*	27-May-24	6070378	622256	15867240527102	x					

TABLE 1a

Sample Program

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	UTM (m)		MSI Sample Number	Metals[1]	Nutrients[2]	Aroclor PCBs	PCBs (HRMS)	PCBs (LRMS)	PCDD/PCDF
		Northing	Easting							
Live Moss										
Plot 1	28-May-24	6071499	615180	15867240528015					x	
Plot 2	28-May-24	6071680	614875	15867240528016					x	
Plot 4	29-May-24	6071027	615111	15867240529026	x	x	x	x		x
Plot 5	29-May-24	6070876	615167	15867240529030					x	
Plot 6	28-May-24	6071317	615555	15867240528012					x	
Plot 6*	28-May-24	6071317	615555	15867240528013					x	
Plot 7	28-May-24	6071148	616122	15867240528010					x	
Plot 8	28-May-24	6071068	615921	15867240528011					x	
Plot 9	28-May-24	6071376	616251	15867240528008					x	
Plot 9*	28-May-24	6071376	616251	15867240528009					x	
Plot 11	28-May-24	6071792	614644	15867240528017	x	x	x	x		x
Plot 12	28-May-24	6071306	613823	15867240528018					x	
Plot 13	27-May-24	6070904	616908	15867240527006					x	
Plot 14	27-May-24	6071087	619130	15867240527004					x	
Plot 15	29-May-24	6071310	613824	15867240529022					x	
Plot 16	27-May-24	6070606	617622	15867240527005					x	
Plot 26	28-May-24	6072436	611432	15867240528020					x	
Plot 27	30-May-24	6069869	614958	15867240530033					x	
Plot 28	28-May-24	6071785	612645	15867240528019					x	
Plot 29	27-May-24	6070373	619636	15867240527003					x	
Plot 70	30-May-24	6067388	603071	15867240530037	x	x	x	x		x
Plot 71	30-May-24	6090717	610660	15867240530036	x	x	x	x		x
Plot 80	29-May-24	6070420	614497	15867240529025					x	
Plot 81	28-May-24	6074838	611636	15867240528021					x	
Plot 102	29-May-24	6070994	615418	15867240529031					x	
Plot 103	29-May-24	6070658	615171	15867240529032					x	
Plot 104	28-May-24	6071516	614425	15867240528014					x	
Plot 109	29-May-24	6071109	614333	15867240529028	x	x	x	x		x
Plot 109*	29-May-24	6071109	614333	15867240529029	x	x	x	x		x
Plot 110	29-May-24	6070621	614146	15867240529024	x	x	x	x		x
Plot 114	30-May-24	6070370	615636	15867240530035	x	x	x	x		x
Plot 117	30-May-24	6069476	616123	15867240530034	x	x	x	x		x
Plot 121	29-May-24	6072855	614343	15867240529023					x	
Plot 123	28-May-24	6072155	616302	15867240528007	x	x	x	x		x
Plot 402	27-May-24	6070378	622256	15867240527001	x	x	x	x		x
Plot 402*	27-May-24	6070378	622256	15867240527002	x	x				
Moss Bags - Acid Washed										
Unexposed	30-May-24	NA	NA	15867240530319	x					
Unexposed	30-May-24	NA	NA	15867240530320	x					
Unexposed	30-May-24	NA	NA	15867240530321	x					

TABLE 1a

Sample Program

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	UTM (m)		MSI Sample Number	Metals[1]	Nutrients[2]	Aroclor PCBs	PCBs (HRMS)	PCBs (LRMS)	PCDD/PCDF
		Northing	Easting							
Moss Bags										
MB1	28-May-24	6071636	614877	15867240528304	x					
MB2	28-May-24	6071499	615167	15867240528305	x					
MB4	29-May-24	6071042	615113	15867240529314	x					
MB5	29-May-24	6070830	615191	15867240529315	x					
MB9	27-May-24	6071537	616313	15867240527303	x					
MB11	28-May-24	6071793	614620	15867240528306	x					
MB14	27-May-24	6070786	617626	15867240527302	x					
MB15	29-May-24	6071257	614272	15867240529313	x					
MB19	28-May-24	6072437	611431	15867240528307	x					
MB20	30-May-24	6069869	614958	15867240530316	x					
MB22	30-May-24	6068502	615759	15867240530317	x					
MB24	27-May-24	6069288	620330	15867240527301	x					
MB26	29-May-24	6073143	612778	15867240529309	x					
MB50	28-May-24	6075021	611447	15867240528308	x					
MB71	30-May-24	6090717	610660	15867240530318	x					
Site 1	29-May-24	NA	NA	15867240529310	x					
Site 5	29-May-24	NA	NA	15867240529312	x					
Site 9	29-May-24	NA	NA	15867240529311	x					

* Duplicate sample

[1] Includes aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, zinc, zirconium

[2] Includes calcium, magnesium, phosphorous, potasium, sodium, sulphur. Labrador tea samples were analyzed for nitrogen. Live Moss samples were analyzed for pH/EC and nitrogen.

TABLE 1b

Plot Maintenance

Veolia

W ½ 06-067-08 W5M

Sample Point	Maintenance Completed 2024	Maintenance Required
Annual Plots		
Plot 4	Updated plot markings	None
Plot 11	None	None
Plot 70	Updated plot markings	None
Plot 71	None	None
Plot 109	None	None
Plot 110	Updated plot markings	None
Plot 114	Updated plot markings	None
Plot 117	Updated markings on trail leading to plot	None
Plot 123	Re-affixed triangle to start of plot	None
Plot 402		None
Expanded Program Plots		
Plot 1	Updated plot markings	None
Plot 2	None	None
Plot 5	Updated plot markings	None
Plot 6	Updated plot markings	None
Plot 7	Updated plot markings	None
Plot 8	Updated plot markings	None
Plot 9	Updated plot markings	None
Plot 12	Updated plot markings	None
Plot 13	Updated plot markings	None
Plot 14	Updated plot markings	None
Plot 15	Updated plot markings	None
Plot 16	None	None
Plot 26	Updated plot markings	None
Plot 27	None	None
Plot 28	None	None
Plot 29	Updated plot markings	None
Plot 80	None	None
Plot 81	Updated plot markings	None
Plot 102	Updated plot markings	None
Plot 103	None	None
Plot 104	None	None
Plot 121	Updated plot markings	None

TABLE 1b

Plot Maintenance

Veolia

W ½ 06-067-08 W5M

Sample Point	Maintenance Completed 2024	Maintenance Required
Moss Bag Plots		
MB1	None	None
MB2	None	None
MB4	None	None
MB5	None	None
MB9	None	None
MB11	None	None
MB14	None	None
MB15	None	None
MB19	None	Need to relocate lichen site that has fallen over
MB20	None	None
MB22	None	None
MB24	None	Needs a extra moss bag holder
MB26	None	None
MB50	None	None
MB71	Established a new lichen site for 71-3	None

TABLE 1c

Analytical Methods

Veolia

W ½ 06-067-08 W5M

Parameter	Analytical Method
Labrador Tea	
Metals	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Mercury	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3, 245.7
Nitrogen	Total Nitrogen by combustion
Total PCBs	USEPA 3550/8082
PCBs (LRMS)	SIM GC/LRMS (extracted as per Method 1668C and analyzed using CARB428)
PCBs (HRMS)	USEPA 1668C[1]
PCDD/PCDF	USEPA 1613B
Moss Bags	
Metals	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Mercury	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3, 245.7
Moss	
Metals	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Mercury	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3, 245.7
pH	Saturated Paste Extract
EC	Saturated Paste Extract
Total (Aroclor) PCBs	EPA 3570/8082
PCBs (LRMS)	SIM GC/LRMS (extracted as per Method 1668C and analyzed using CARB428)
PCBs (HRMS)	USEPA 1668C[1]
PCDD/PCDF	USEPA 1613B
Soil	
PCBs (LRMS)	SIM GC/LRMS (extracted as per Method 1668C and analyzed using CARB428)
Total (Aroclor) PCBs	EPA 3570/8082

[1] Where the PCB 126 and 169 peaks appeared to be broader then expected on the chromatogram the sample extract was passed through a carbon column to better resolve the co-planar PCB fraction

[2] Collision cell interface was used on ICPMS

TABLE 2

Live Moss Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al %	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Hg mg/kg	Mn mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	Tl mg/kg	Ti mg/kg	Sn mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 4	29-May-24	15867240529026	0.0804	804	0.226	0.556	51.1	0.031	8.9	0.308	1.88	0.548	8.94	1090	9.13	<0.50	0.359	757	0.413	2.03	0.099	0.101	11.2	0.0416	21.5	0.81	0.0528	1.97	80.9	0.36
Plot 11	28-May-24	15867240528017	0.04	400	0.052	0.183	28.4	0.016	5.8	0.142	0.6	0.218	3.54	439	1.73	<0.50	0.132	852	0.107	1.12	0.069	0.0366	8.65	0.0212	8.82	0.24	0.0263	0.88	50.5	0.27
Plot 70	30-May-24	15867240530037	0.0634	634	0.032	0.208	42.6	0.02	4.4	0.211	0.773	0.406	3.55	644	1.3	<0.50	0.08	756	0.094	1.31	0.07	0.0398	7.68	0.021	11.3	0.33	0.0313	1.23	38	0.38
Plot 71	30-May-24	15867240530036	0.059	590	0.036	0.25	113	0.028	8.4	0.16	0.886	0.529	3.98	748	1.67	<0.50	0.078	962	0.222	1.21	0.082	0.0302	28.2	0.0205	13.4	0.17	0.0595	1.53	45.6	0.45
Plot 109	29-May-24	15867240529028	0.0517	517	0.258	0.548	36.6	0.02	7.4	0.228	1.31	0.338	8.7	712	9.77	<0.50	0.231	878	0.375	1.92	0.102	0.0755	8.24	0.0233	17.3	0.86	0.0379	1.35	81.4	<0.80
Plot 109*	29-May-24	15867240529029	0.044	440	0.218	0.461	32.8	0.018	6.7	0.191	1.19	0.29	7.46	607	8.74	<0.50	0.259	812	0.336	1.77	0.081	0.07	7.82	0.0202	14.7	0.66	0.0322	1.18	69.2	0.25
Plot 110	29-May-24	15867240529024	0.0283	283	0.044	0.154	78.9	0.01	5.6	0.0924	0.434	0.31	3.66	362	1.67	<0.50	0.128	968	0.124	0.65	0.062	0.0298	21.6	0.017	7.53	0.13	0.0226	0.74	51	0.22
Plot 114	30-May-24	15867240530035	0.0771	771	0.25	0.567	59.2	0.025	7.3	0.909	1.36	0.564	8.91	710	9.33	<0.50	0.359	966	0.466	1.99	0.122	0.122	15.4	0.021	19.2	1.03	0.0428	1.38	91.2	0.25
Plot 117	30-May-24	15867240530034	0.0787	787	0.066	0.234	27	0.018	4.2	0.266	0.615	0.396	4.69	462	2.08	<0.50	0.107	479	0.142	1.91	0.119	0.0706	5.95	0.0192	10.9	0.38	0.0227	0.89	43.6	0.25
Plot 123	28-May-24	15867240528007	0.0486	486	0.043	0.148	35.7	0.018	7	0.0953	0.522	0.238	3.71	410	0.744	<0.50	0.1	1100	0.081	1.33	0.068	0.0326	7.61	0.0243	8.92	0.16	0.022	0.86	57.7	0.26
Plot 402	27-May-24	15867240527001	0.057	570	0.033	0.258	58.2	0.03	7.1	0.289	1.02	0.608	4.05	670	0.906	<0.50	0.0968	741	0.123	1.6	0.091	0.0318	22.2	0.0275	13.2	0.18	0.0515	1.32	64.8	0.66
Plot 402	27-May-24	15867240527002	0.0422	422	0.027	0.2	49.6	0.02	7.2	0.345	0.57	0.45	3.28	492	0.699	<0.50	0.0709	790	0.099	1.02	0.073	0.0343	22	0.0217	9.54	<0.10	0.0397	1.03	62.1	0.28
ABT1 - Natural Area			NS	NS	20[ES]	17[ES]	750[ES]	5[ES]	NS	3.8[EL]	64[ES]	20[ES]	63[ES]	NS	70[EL]	NS	12[ES]	NS	4[ES]	45[ES]	1[ES]	20[ES]	NS	1[EL]	NS	5[ES]	33[EL]	130[ES]	250[ES]	NS

Notes:

--- - not analyzed

* - duplicate sample

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

ES - indicates guideline for Direct Soil Contact (ecological) exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

Italics - indicates values do not meet applicable guidelines

TABLE 3

Moss Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	pH	EC dS/m	Saturation %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 4	29-May-24	15867240529026	4.67	0.146	1300	8060	994	3260	39	1350	1050
Plot 11	28-May-24	15867240528017	4.92	0.184	1160	6710	752	2670	28	1070	880
Plot 70	30-May-24	15867240530037	4.5	0.171	1150	4420	845	3590	54	1090	700
Plot 71	30-May-24	15867240530036	4.68	0.188	1020	7010	981	3140	68	1210	910
Plot 109	29-May-24	15867240529028	5	0.261	1030	7160	842	2760	30	1160	1000
Plot 109*	29-May-24	15867240529029	4.47	0.156	1180	6840	732	2780	28	1100	900
Plot 110	29-May-24	15867240529024	4.64	0.181	948	6920	830	3480	26	1240	820
Plot 114	30-May-24	15867240530035	5.03	0.227	960	5870	707	2570	30	1100	900
Plot 117	30-May-24	15867240530034	4.27	0.181	1090	3620	746	2730	28	1030	950
Plot 123	28-May-24	15867240528007	4.72	0.267	1020	6960	758	2550	30	1210	940
Plot 402	27-May-24	15867240527001	4.65	0.15	1160	8940	890	3080	26	1200	930
Plot 402*	27-May-24	15867240527002	4.58	0.208	1110	8430	975	3880	26	1290	920

Notes:

* - duplicate sample

TABLE 4

Moss Quality Results - Polychlorinated Biphenyls (A-PCBs)

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Aroclor 1016 mg/kg	Aroclor 1221 mg/kg	Aroclor 1232 mg/kg	Aroclor 1242 mg/kg	Aroclor 1248 mg/kg	Aroclor 1254 mg/kg	Aroclor 1260 mg/kg	Aroclor 1262 mg/kg	Aroclor 1268 mg/kg	Total PCBs mg/kg
Plot 4	29-May-24	15867240529026	<0.016	<0.016	<0.016	<0.016	<0.016	0.128	0.283	<0.016	<0.016	0.411
Plot 11	28-May-24	15867240528017	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Plot 70	30-May-24	15867240530037	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029
Plot 71	30-May-24	15867240530036	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018	<0.018
Plot 109	29-May-24	15867240529028	<0.023	<0.023	<0.023	<0.023	<0.023	0.098	0.262	<0.023	<0.023	0.36
Plot 109*	29-May-24	15867240529029	<0.018	<0.018	<0.018	<0.018	<0.018	0.083	0.22	<0.018	<0.018	0.303
Plot 110	29-May-24	15867240529024	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021
Plot 114	30-May-24	15867240530035	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	0.053	<0.030	<0.030	0.053
Plot 117	30-May-24	15867240530034	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023	<0.023
Plot 123	28-May-24	15867240528007	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027
Plot 402	27-May-24	15867240527001	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029	<0.029
ABT1 - Natural Area			NS	NS	NS	NS	NS	NS	NS	NS	NS	$1.3^{EL,EW}$

Notes:

--- - not analyzed

* - duplicate sample

NS - not specified

^{EL} - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

^{EW} - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

Italics - indicates values do not meet applicable guidelines

TABLE 5

Live Moss Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 1	Plot 2	Plot 5	Plot 6	Plot 6*	Plot 7	Plot 8	Plot 9	Plot 9*	Plot 12	Plot 13	Plot 14	Plot 15	Alberta Tier 1 - Soils
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	Natural Area
MSI Sample Number	Unit	15867240528015	15867240528016	15867240529030	15867240528012	15867240528013	15867240528010	15867240528011	15867240528008	15867240528009	15867240528018	15867240527006	15867240527004	15867240529022	
PCB Congeners															
PCB 1	ng/g	<0.0098	<0.0099	0.0144	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 3	ng/g	<0.0098	<0.0099	<0.0097	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.915	<0.0098	<0.0098	<0.0099	NS
PCB 4 + 10	ng/g	<0.0098	<0.0099	0.0347	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 5 + 8	ng/g	0.0134	0.0137	0.176	<0.0100	0.0136	0.0339	<0.0096	<0.0098	<0.0096	0.0111	0.0191	<0.0098	0.0244	NS
PCB 6	ng/g	<0.0098	<0.0099	0.032	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.0115	<0.0098	<0.0098	<0.0099	NS
PCB 7 + 9	ng/g	<0.0098	<0.0099	0.0163	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 11	ng/g	0.0226	<0.0099	0.0135	0.0207	0.0195	0.0208	0.0224	0.0221	0.0164	<0.0096	0.0113	<0.0098	<0.0099	NS
PCB 12 + 13	ng/g	<0.0098	<0.0099	0.0194	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 15	ng/g	0.0132	0.0161	0.155	<0.0100	0.0109	<0.0099	<0.0096	<0.0098	<0.0096	0.0118	0.0135	<0.0098	0.0228	NS
PCB 16 + 32	ng/g	0.0111	0.0108	0.155	<0.0100	<0.0100	0.0177	<0.0096	<0.0098	<0.0096	0.0849	<0.0098	<0.0098	0.0194	NS
PCB 17	ng/g	<0.0098	<0.0099	0.0865	<0.0100	<0.0100	0.0137	<0.0096	<0.0098	<0.0096	0.0145	<0.0098	<0.0098	0.0119	NS
PCB 18	ng/g	0.0175	0.0187	0.215	0.011	0.0194	0.0351	<0.0096	<0.0098	<0.0096	0.0247	0.0108	<0.0098	0.0309	NS
PCB 19	ng/g	0.0119	<0.0099	0.0188	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.015	<0.0098	<0.0098	<0.0099	NS
PCB 20 + 21 + 33	ng/g	<0.0098	<0.0099	1.44	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	3.21	<0.0098	<0.0098	<0.0099	NS
PCB 22	ng/g	<0.0098	0.0198	0.3	<0.0100	<0.0100	<0.0099	<0.0096	0.0173	<0.0096	0.214	<0.0098	<0.0098	0.0287	NS
PCB 24 + 27	ng/g	<0.0098	<0.0099	0.0247	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.013	<0.0098	<0.0098	<0.0099	NS
PCB 25	ng/g	<0.0098	<0.0099	0.0537	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.01	<0.0098	<0.0098	<0.0099	NS
PCB 26	ng/g	0.0155	<0.0099	0.0832	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.0711	<0.0098	<0.0098	0.0139	NS
PCB 28 + 31	ng/g	0.0881	0.109	1.09	<0.0100	0.0889	0.0991	<0.0096	<0.0098	<0.0096	0.198	<0.0098	<0.0098	0.159	NS
PCB 37	ng/g	<0.0098	<0.0099	0.472	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.527	<0.0098	<0.0098	<0.0099	NS
PCB 40	ng/g	0.0138	0.0116	0.0836	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.0102	<0.0098	<0.0098	<0.0099	NS
PCB 41 + 64 + 68 + 71	ng/g	0.0372	0.048	0.514	0.0487	0.0327	0.0371	0.0537	0.021	0.0122	0.0829	0.045	0.0171	0.0566	NS
PCB 42 + 59	ng/g	0.0369	0.0146	0.153	0.0131	<0.0100	0.0176	0.0186	<0.0098	<0.0096	0.0509	<0.0098	<0.0098	0.0165	NS
PCB 43 + 49	ng/g	0.022	0.0374	0.447	0.0206	0.0256	0.0212	0.0233	<0.0098	<0.0096	0.0292	0.0248	<0.0098	0.0386	NS
PCB 44	ng/g	0.0196	0.0262	0.399	0.0144	0.0179	0.0194	0.0189	<0.0098	<0.0096	0.0193	0.0214	<0.0098	0.0328	NS
PCB 45	ng/g	<0.0098	<0.0099	0.0321	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 46	ng/g	<0.0098	<0.0099	0.0194	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.0881	<0.0098	<0.0098	<0.0099	NS
PCB 47 + 48 + 75	ng/g	0.0215	0.0221	0.227	0.0142	0.0181	0.0179	0.0176	<0.0098	<0.0096	0.0183	0.0128	<0.0098	0.0228	NS
PCB 52 + 73	ng/g	0.0457	0.0721	0.881	0.0383	0.0459	0.0371	0.0471	0.0151	0.0155	0.0702	0.0502	0.0129	0.0713	NS
PCB 53	ng/g	<0.0098	<0.0099	0.0441	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 56 + 60	ng/g	0.0559	0.0957	1.02	0.0421	0.107	0.046	0.0447	0.0175	0.0178	0.067	0.0555	<0.0098	0.0866	NS
PCB 57	ng/g	<0.0098	<0.0099	<0.0097	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 61 + 74	ng/g	0.0886	0.0848	0.953	0.062	0.0824	0.0481	0.0674	0.0282	0.0113	0.238	0.0639	<0.0098	0.0825	NS
PCB 63	ng/g	0.0705	0.0166	0.0773	<0.0100	<0.0100	<0.0099	0.034	<0.0098	<0.0096	0.275	<0.0098	<0.0098	<0.0099	NS
PCB 66 + 80	ng/g	0.105	0.136	1.5	0.0758	0.137	0.0679	0.0806	0.0316	0.0158	0.208	0.1	<0.0098	0.125	NS
PCB 70 + 76	ng/g	0.156	0.219	2.64	0.137	0.209	0.113	0.139	0.0589	0.027	0.234	0.173	<0.0098	0.23	NS
PCB 77	ng/g	0.0482	0.0574	0.577	0.0386	0.0777	0.0297	0.0391	0.0162	<0.0096	0.0096	0.0528	<0.0098	0.0696	NS
PCB 81	ng/g	<0.0500	<0.0500	0.0716	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	<0.0500	0.0655	<0.0500	<0.0500	<0.0500	NS
PCB 82	ng/g	0.0775	0.0472	0.47	0.0368	0.0515	0.0224	0.0386	0.0132	0.0127	0.0271	0.05	<0.0098	0.042	NS
PCB 83 + 108	ng/g	<0.0098	0.0135	0.17	<0.0100	0.013	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	0.0128	<0.0098	0.0099	NS
PCB 84 + 89 + 90 + 101	ng/g	0.305	0.426	4.59	0.225	0.427	0.189	0.297	0.101	0.0797	0.242	0.367	0.0386	0.365	NS
PCB 85 + 120	ng/g	0.0612	0.0801	0.926	0.0428	0.0945	0.0428	0.0581	0.0194	0.015	0.0483	0.0812	<0.0098	0.067	NS
PCB 86 + 87 + 111 + 115 + 116 + 117	ng/g	0.13	0.17	2.01	0.0966	0.181	0.0831	0.114	0.0404	0.0308	0.102	0.179	0.0223	0.156	NS
PCB 91	ng/g	0.0184	0.0285	0.274	0.0159	0.026	0.0192	0.0214	<0.0098	<0.0096	0.0145	0.0244	<0.0098	0.0231	NS
PCB 92	ng/g	0.0477	0.0658	0.715	0.0399	0.0755	0.0304	0.0454	0.0174	0.0114	0.0362	0.0598	<0.0098	0.0577	NS
PCB 93 + 95	ng/g	0.0845	0.112	1.38	0.0703	0.101	0.0547	0.0884	0.0284	0.022	0.0642	0.129	0.0178	0.0979	NS
PCB 97	ng/g	0.0399	0.0521	0.614	0.0281	0.0499	0.0254	0.0354	<0.0098	<0.0096	0.0268	0.0406	<0.0098	0.0386	NS
PCB 99	ng/g	0.113	0.165	1.79	0.0924	0.182	0.0793	0.125	0.0425	0.0322	0.0933	0.145	0.0142	0.132	NS
PCB 105 + 127	ng/g	0.216	0.228	2.47	0.1	0.334	0.0971	0.142	0.0595	0.0339	0.0936	0.223	0.0238	0.229	NS
PCB 106 + 118	ng/g	0.429	0.49	6.24	0.25	0.664	0.194	0.317	0.133	0.0895	0.402	0.472	0.0457	0.565	NS
PCB 107 + 109	ng/g	0.0377	0.0441	0.514	0.0201	0.0588	0.0192	0.0299	0.0107	<0.0096	0.0267	0.0349	<0.0098	0.0442	NS
PCB 110	ng/g	0.274	0.328	3.92	0.191	0.382	0.165	0.24	0.0858	0.0639	0.203	0.348	0.036	0.313	NS
PCB 114	ng/g	0.0179	0.0186	0.32	<0.0100	0.0218	<0.0099	0.0109	<0.0098	<0.0096	0.486	0.0124	<0.0098	0.0259	NS
PCB 123	ng/g	<0.0098	<0.0099	<0.0097	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.0451	<0.0098	<0.0098	<0.0099	NS
PCB 126	ng/g	0.0286	<0.0099	0.188	0.0127	0.0255	<0.0099	<0.0096	<0.0098	<0.0096	0.0144	0.0264	<0.0098	<0.0099	NS
PCB 128 + 167	ng/g	0.192	0.199	2.6	0.0985	0.276	0.0947	0.13	0.0462	0.0299	0.191	0.187	0.0218	0.241	NS
PCB 129	ng/g	0.0297	0.03	0.391	0.0172	0.0433	0.0163	0.0213	<0.0098	<0.0096	0.025	0.0291	<0.0098	0.0386	NS
PCB 131 + 142 + 146 + 165	ng/g	0.0922	0.103	1.26	0.0572	0.138	0.0527	0.0706	0.0249	0.0176	<0.0096	0.113	0.0124	0.111	NS
PCB 132 + 168	ng/g	0.16	0.17	2.26	0.0932	0.203	0.0873	0.115	0.0407	0.03	0.155	0.173	0.0206	0.187	NS
PCB 135 + 144	ng/g	0.078	0.1	1.3	0.0623	0.125	0.0526	0.0767	0.0252	0.0185	0.086	0.1	0.0117	0.0996	NS
PCB 136	ng/g	<0.0098	<0.0099	<0.0097	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.0458	<0.0098	<0.0098	<0.0099	NS
PCB 137	ng/g	0.0319	0.038	0.505	0.0222	0.0495	0.02	0.0284	<0.0098	<0.0096	0.034	0.0371	<0.0098	0.045	NS
PCB 138 + 163 + 164	ng/g	0.866	0.885	11.9	0.5	1.22	0.448	0.598	0.214	0.144	0.909	0.893	0.0981	1.05	NS
PCB 139 + 149	ng/g	0.339	0.422	5.38	0.258	0.531	0.22	0.316	0.103	0.078	0.36	0.431	0.0464	0.427	NS
PCB 141	ng/g	0.152	0.16	2.16	0.092	0.195	0.0806	0.107	0.0374	0.0267	0.144	0.155	0.0163	0.183	NS

TABLE 5

Live Moss Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 1	Plot 2	Plot 5	Plot 6	Plot 6*	Plot 7	Plot 8	Plot 9	Plot 9*	Plot 12	Plot 13	Plot 14	Plot 15	Alberta Tier 1 - Soils
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	Natural Area
MSI Sample Number	Unit	15867240528015	15867240528016	15867240529030	15867240528012	15867240528013	15867240528010	15867240528011	15867240528008	15867240528009	15867240528018	15867240527006	15867240527004	15867240529022	
PCB Congeners															
PCB 151	ng/g	0.0835	0.1	1.55	0.0662	0.152	0.0576	0.0835	0.028	0.0182	0.0917	0.111	0.0121	0.107	NS
PCB 153	ng/g	0.721	0.778	9.69	0.449	1.1	0.397	0.543	0.186	0.133	0.706	0.695	0.0747	0.836	NS
PCB 156	ng/g	0.106	0.0957	1.44	0.0453	0.129	0.0439	0.0593	0.0219	0.0128	0.0746	0.0857	<0.0098	0.138	NS
PCB 157	ng/g	0.0249	0.0235	0.333	0.0112	0.0328	0.0109	0.0147	<0.0098	<0.0096	0.0232	0.0213	<0.0098	0.0358	NS
PCB 158 + 160	ng/g	0.0589	0.096	1.13	0.0485	0.133	0.0512	0.059	0.0205	0.0156	0.702	0.0965	0.0124	0.116	NS
PCB 159	ng/g	<0.0098	<0.0099	<0.0097	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	0.0244	0.0101	<0.0098	<0.0098	<0.0099	NS
PCB 169	ng/g	<0.0098	<0.0099	0.0143	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 170 + 190	ng/g	0.37	0.308	4.39	0.192	0.453	0.132	0.15	<0.0098	<0.0096	0.273	0.329	0.0342	0.453	NS
PCB 171	ng/g	0.0606	0.0594	0.812	0.0323	0.0822	0.0292	0.0396	0.014	<0.0096	0.0482	0.0626	<0.0098	0.0663	NS
PCB 172 + 192	ng/g	0.0525	0.0503	0.621	0.0264	0.0682	0.0224	0.0309	0.0109	<0.0096	0.0392	0.0403	<0.0098	0.0582	NS
PCB 174 + 181	ng/g	0.217	0.218	3.09	0.13	0.302	0.111	0.142	0.0519	0.0357	0.174	0.247	0.0258	0.266	NS
PCB 177	ng/g	0.129	0.124	1.69	0.0696	0.179	0.062	0.0804	0.0271	0.017	0.0973	0.129	0.0134	0.142	NS
PCB 180	ng/g	0.834	0.762	9.26	0.42	1.07	0.33	0.414	0.181	0.101	0.616	0.616	0.0736	0.869	NS
PCB 182 + 187	ng/g	0.267	0.287	3.7	0.156	0.405	0.142	0.187	0.0652	0.0424	0.231	0.275	0.0303	0.315	NS
PCB 183	ng/g	0.135	0.137	1.84	0.0769	0.197	0.0716	0.0915	0.032	0.0218	0.113	0.129	0.0153	0.156	NS
PCB 185	ng/g	0.0252	0.0246	0.372	0.015	0.0335	0.0131	0.018	<0.0098	<0.0096	0.0211	0.0266	<0.0098	0.0292	NS
PCB 189	ng/g	0.0145	<0.0099	0.159	<0.0100	0.0177	<0.0099	<0.0096	<0.0098	<0.0096	0.0146	0.0114	<0.0098	0.022	NS
PCB 191	ng/g	<0.0098	<0.0099	0.191	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.461	0.491	<0.0098	0.0466	NS
PCB 193	ng/g	<0.0098	<0.0099	0.404	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.484	0.0374	<0.0098	0.0398	NS
PCB 194	ng/g	0.168	0.149	2	0.1	0.2	0.0614	0.089	0.0343	0.0183	0.137	0.136	0.012	0.2	NS
PCB 195	ng/g	0.0524	0.11	0.62	0.0258	0.0596	0.0198	0.0246	0.0105	<0.0096	0.0406	0.048	<0.0098	0.0594	NS
PCB 196 + 203	ng/g	0.183	0.157	2.21	0.097	0.218	0.07	0.0927	0.0349	0.0212	0.15	0.153	0.0179	0.202	NS
PCB 199	ng/g	0.142	0.126	1.71	0.0787	0.184	0.0627	0.0799	0.0271	0.0271	0.117	0.127	0.0134	0.16	NS
PCB 202	ng/g	0.0162	0.0158	0.227	<0.0100	0.0253	<0.0099	0.0105	<0.0098	<0.0096	0.015	0.0131	<0.0098	0.0206	NS
PCB 205	ng/g	<0.0098	<0.0099	0.108	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	0.106	0.107	<0.0098	0.0199	NS
PCB 206	ng/g	0.0245	0.0229	0.34	0.0183	0.0313	<0.0099	0.0123	<0.0098	<0.0096	0.0197	0.0231	<0.0098	0.0327	NS
PCB 207	ng/g	<0.0098	<0.0099	0.0473	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 208	ng/g	<0.0098	<0.0099	0.0495	<0.0100	<0.0100	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
PCB 209	ng/g	<0.0098	<0.0099	0.072	<0.0100	<0.0100	<0.0099	<0.0096	0.0099	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
Total MonoCB	ng/g	<0.014	<0.014	0.014	<0.014	<0.014	<0.014	<0.014	<0.014	<0.014	0.915	<0.014	<0.014	<0.014	NS
Total DiCB	ng/g	0.049	0.03	0.447	<0.026	0.044	0.055	<0.025	<0.026	<0.025	0.034	0.044	<0.026	0.047	NS
Total TriCB	ng/g	0.144	0.158	3.94	<0.033	0.108	0.166	<0.032	<0.032	<0.032	4.38	<0.032	<0.032	0.264	NS
Total TetraCB	ng/g	0.721	0.842	9.64	0.505	0.753	0.455	0.584	0.188	0.1	1.47	0.599	<0.064	0.832	NS
Total PentaCB	ng/g	1.88	2.27	26.6	1.22	2.69	1.02	1.56	0.551	0.391	1.92	2.2	0.198	2.17	NS
Total HexaCB	ng/g	2.94	3.2	41.9	1.82	4.33	1.63	2.22	0.748	0.549	3.56	3.13	0.326	3.62	NS
Total HeptaCB	ng/g	2.1	1.97	26.5	1.12	2.81	0.913	1.15	0.382	0.218	2.57	2.39	0.193	2.46	NS
Total OctaCB	ng/g	0.575	0.57	7.05	0.302	0.706	0.214	0.31	0.107	0.067	0.58	0.597	0.043	0.682	NS
Total NonaCB	ng/g	0.024	0.023	0.437	0.018	0.031	<0.017	<0.017	<0.017	<0.017	0.02	0.023	<0.017	0.033	NS
Total DecaCB	ng/g	<0.0098	<0.0099	0.072	<0.0100	<0.0100	<0.0099	<0.0096	0.0099	<0.0096	<0.0096	<0.0098	<0.0098	<0.0099	NS
Total PCB Congeners	ng/g	8.43	9.06	117	4.98	11.5	4.45	5.82	1.98	1.32	15.4	8.98	0.76	10.1	$1300^{EL,EW}$
Total PCB Congeners	mg/kg	0.00843	0.00906	0.117	0.00498	0.0115	0.00445	0.00582	0.00198	0.00132	0.0154	0.00898	0.00076	0.0101	$1.3^{EL,EW}$

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

TABLE 5

Live Moss Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 16	Plot 26	Plot 27	Plot 28	Plot 29	Plot 80	Plot 81	Plot 102	Plot 103	Plot 104	Plot 121	Alberta Tier 1 - Soils
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	Natural Area
MSI Sample Number	Unit	15867240527005	15867240528020	15867240530033	15867240528019	15867240527003	15867240529025	15867240528021	15867240529031	15867240529032	15867240528014	15867240529023	
PCB Congeners													
PCB 1	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.0248	<0.0096	0.156	NS
PCB 3	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.083	<0.0096	0.28	NS
PCB 4 + 10	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0168	0.0583	0.015	<0.0098	NS
PCB 5 + 8	ng/g	<0.0096	<0.0095	0.0155	<0.0099	<0.0674	0.0237	<0.0096	0.062	0.286	0.0548	0.0645	NS
PCB 6	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.011	0.0551	0.0107	<0.0098	NS
PCB 7 + 9	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.03	<0.0096	<0.0098	NS
PCB 11	ng/g	0.0174	<0.0095	<0.0096	<0.0099	0.15	0.0112	<0.0096	0.0127	0.0181	0.0251	<0.0098	NS
PCB 12 + 13	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.0267	<0.0096	0.0303	NS
PCB 15	ng/g	<0.0096	<0.0095	0.0102	<0.0099	<0.0674	0.0138	<0.0096	0.0512	0.233	0.0468	3.63	NS
PCB 16 + 32	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	0.024	<0.0096	0.0483	0.235	0.0452	1.43	NS
PCB 17	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	0.0133	<0.0096	0.0271	0.117	0.0244	0.0814	NS
PCB 18	ng/g	<0.0096	<0.0095	0.0149	<0.0099	<0.0674	0.0248	<0.0096	0.057	0.31	0.0653	0.0449	NS
PCB 19	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.0269	<0.0096	<0.0098	NS
PCB 20 + 21 + 33	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	1.25	2.44	0.533	0.515	NS
PCB 22	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	0.0318	<0.0096	0.0814	0.323	0.102	0.154	NS
PCB 24 + 27	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0113	0.0347	<0.0096	0.344	NS
PCB 25	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.01	0.0833	0.018	0.551	NS
PCB 26	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	0.023	<0.0096	0.0262	0.0848	0.0301	2.65	NS
PCB 28 + 31	ng/g	<0.0096	<0.0095	0.0748	<0.0099	<0.0674	0.133	<0.0096	0.364	1.41	0.381	0.508	NS
PCB 37	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.438	1.02	0.26	0.0918	NS
PCB 40	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0232	0.12	0.0285	0.0317	NS
PCB 41 + 64 + 68 + 71	ng/g	0.0174	0.0193	<0.0096	0.0203	<0.0674	0.0878	0.0152	0.142	0.678	0.174	0.0196	NS
PCB 42 + 59	ng/g	0.0133	0.0146	0.0166	<0.0099	<0.0674	0.0405	<0.0096	0.0374	0.2	0.0521	0.0103	NS
PCB 43 + 49	ng/g	<0.0096	<0.0095	0.017	<0.0099	<0.0674	0.0335	<0.0096	0.118	0.634	0.13	0.0161	NS
PCB 44	ng/g	<0.0096	<0.0095	0.017	<0.0099	<0.0674	0.0259	<0.0096	0.129	0.726	0.135	0.0132	NS
PCB 45	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.01	0.0454	<0.0096	<0.0098	NS
PCB 46	ng/g	0.0214	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.0251	<0.0096	0.0352	NS
PCB 47 + 48 + 75	ng/g	<0.0096	<0.0095	0.0132	0.0103	<0.0674	0.0275	<0.0096	0.0526	0.309	0.0499	0.01	NS
PCB 52 + 73	ng/g	0.0171	0.0132	0.0367	0.0154	<0.0674	0.0612	0.0198	0.277	1.31	0.292	0.028	NS
PCB 53	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0132	0.0555	0.0152	<0.0098	NS
PCB 56 + 60	ng/g	0.022	<0.0095	0.0526	0.0132	<0.0674	0.0649	0.0117	0.339	1.52	0.29	0.0299	NS
PCB 57	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	<0.0098	NS
PCB 61 + 74	ng/g	0.039	0.0269	0.0468	0.0141	<0.0674	0.0978	0.0133	0.289	1.32	0.288	0.0245	NS
PCB 63	ng/g	<0.0096	0.0254	0.0177	<0.0099	<0.0674	0.0554	0.0143	0.0274	0.0828	0.0402	0.0283	NS
PCB 66 + 80	ng/g	0.0404	0.021	0.0784	0.0163	<0.0674	0.106	<0.0096	0.5	2.17	0.434	0.0572	NS
PCB 70 + 76	ng/g	0.0454	0.0284	0.107	0.0298	<0.0674	0.165	0.0107	0.927	4.04	0.808	0.0643	NS
PCB 77	ng/g	0.0104	<0.0095	0.0324	<0.0099	<0.0674	0.0411	<0.0096	0.232	0.713	0.22	0.0148	NS
PCB 81	ng/g	<0.0500	<0.0500	<0.0500	<0.0500	<0.0674	<0.0500	<0.0500	<0.0500	0.11	<0.0500	<0.0500	NS
PCB 82	ng/g	0.0172	0.016	0.0186	0.0141	<0.0674	0.0372	<0.0096	0.178	0.774	0.144	0.121	NS
PCB 83 + 108	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0504	0.244	0.0369	0.0218	NS
PCB 84 + 89 + 90 + 101	ng/g	0.084	0.0327	0.136	0.0505	0.119	0.229	0.0286	1.52	6.2	1.29	0.105	NS
PCB 85 + 120	ng/g	0.0175	<0.0095	0.0306	0.0132	<0.0674	0.045	<0.0096	0.326	1.33	0.238	0.02	NS
PCB 86 + 87 + 111 + 115 + 116 + 117	ng/g	0.0384	0.0223	0.0645	0.0313	0.069	0.101	0.0169	0.734	2.98	0.509	0.0458	NS
PCB 91	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	0.0153	<0.0096	0.0966	0.399	0.0818	0.0348	NS
PCB 92	ng/g	0.0134	<0.0095	0.0196	<0.0099	<0.0674	0.0419	<0.0096	0.231	0.916	0.193	0.017	NS
PCB 93 + 95	ng/g	0.0228	0.0148	0.0473	0.018	<0.0674	0.0712	0.0106	0.572	2.24	0.37	0.0345	NS
PCB 97	ng/g	0.0097	<0.0095	0.0181	<0.0099	<0.0674	0.0237	<0.0096	0.248	1.02	0.167	0.0129	NS
PCB 99	ng/g	0.0352	0.0146	0.0547	0.023	<0.0674	0.102	0.0148	0.572	2.42	0.486	0.042	NS
PCB 105 + 127	ng/g	0.0556	0.0155	0.084	0.026	0.0877	0.12	0.0158	0.936	3.83	0.56	0.0498	NS
PCB 106 + 118	ng/g	0.122	0.0393	0.26	0.0593	0.158	0.376	0.0276	2.5	9.1	1.4	0.15	NS
PCB 107 + 109	ng/g	0.01	<0.0095	0.0154	<0.0099	<0.0674	0.0264	<0.0096	0.186	0.735	0.13	0.157	NS
PCB 110	ng/g	0.071	0.0247	0.128	0.0447	0.112	0.187	0.0219	1.59	5.99	1.01	0.084	NS
PCB 114	ng/g	<0.0096	<0.0095	0.0098	<0.0099	<0.0674	0.0182	<0.0096	0.0757	0.32	0.0453	0.142	NS
PCB 123	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	0.173	NS
PCB 126	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0663	0.251	0.0465	<0.0098	NS
PCB 128 + 167	ng/g	0.0453	0.0176	0.0893	0.0263	0.0805	0.137	0.0129	1.01	3.58	0.626	0.0507	NS
PCB 129	ng/g	<0.0096	<0.0095	0.0156	<0.0099	<0.0674	0.0218	<0.0096	0.176	0.621	0.098	0.294	NS
PCB 131 + 142 + 146 + 165	ng/g	0.0224	0.0122	0.0553	0.018	<0.0674	0.0789	<0.0096	0.566	2.01	0.331	0.0269	NS
PCB 132 + 168	ng/g	0.0346	0.0159	0.0775	0.0228	<0.0674	0.133	0.0117	0.888	2.91	0.509	0.0427	NS
PCB 135 + 144	ng/g	0.0211	0.0105	0.0433	0.0155	<0.0674	0.0809	<0.0096	0.466	1.6	0.331	0.0271	NS
PCB 136	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	<0.0096	<0.0096	0.0165	NS
PCB 137	ng/g	<0.0096	<0.0095	0.0179	<0.0099	<0.0674	0.0288	<0.0096	0.191	0.711	0.127	0.0141	NS
PCB 138 + 163 + 164	ng/g	0.195	0.0739	0.409	0.107	0.316	0.694	0.0518	4.49	15.6	2.8	0.246	NS
PCB 139 + 149	ng/g	0.0858	0.0365	0.181	0.0518	0.147	0.331	0.0274	1.97	6.84	1.36	0.106	NS
PCB 141	ng/g	0.034	0.0133	0.0702	0.0198	<0.0674	0.119	<0.0096	0.79	2.72	0.504	0.0411	NS

TABLE 5

Live Moss Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 16	Plot 26	Plot 27	Plot 28	Plot 29	Plot 80	Plot 81	Plot 102	Plot 103	Plot 104	Plot 121	Alberta Tier 1 - Soils
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	Natural Area
MSI Sample Number	Unit	15867240527005	15867240528020	15867240530033	15867240528019	15867240527003	15867240529025	15867240528021	15867240529031	15867240529032	15867240528014	15867240529023	
PCB Congeners													
PCB 151	ng/g	0.0238	0.0104	0.0464	0.0143	<0.0674	0.0979	<0.0096	0.529	1.72	0.343	0.0253	NS
PCB 153	ng/g	0.167	0.06	0.325	0.088	0.268	0.589	0.0425	3.41	11.7	2.46	0.189	NS
PCB 156	ng/g	0.0228	0.0097	0.0424	0.0126	<0.0674	0.0733	<0.0096	0.576	1.81	0.284	0.0156	NS
PCB 157	ng/g	<0.0096	<0.0095	0.0102	<0.0099	<0.0674	0.0162	<0.0096	0.131	0.435	0.0751	0.0173	NS
PCB 158 + 160	ng/g	0.0181	<0.0095	0.0429	0.0137	<0.0674	0.078	<0.0096	0.459	1.67	0.3	0.19	NS
PCB 159	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0145	0.445	<0.0096	0.0388	NS
PCB 169	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	<0.0098	0.0108	<0.0096	0.0713	NS
PCB 170 + 190	ng/g	0.0966	<0.0095	0.17	<0.0099	0.118	0.167	0.0308	1.63	6.76	0.95	2.11	NS
PCB 171	ng/g	0.0122	<0.0095	0.0275	<0.0099	<0.0674	0.0454	<0.0096	0.313	1.19	0.169	0.015	NS
PCB 172 + 192	ng/g	0.0112	<0.0095	0.0206	<0.0099	<0.0674	0.0353	<0.0096	0.227	0.826	0.131	0.187	NS
PCB 174 + 181	ng/g	0.0466	0.0189	0.112	0.0288	0.084	0.168	0.0136	1.22	4.42	0.618	0.0568	NS
PCB 177	ng/g	0.0257	0.0113	0.0587	0.016	<0.0674	0.0932	<0.0096	0.665	2.53	0.35	0.0311	NS
PCB 180	ng/g	0.156	0.0555	0.312	0.0763	0.249	0.516	0.0393	3.33	12.1	1.99	0.192	NS
PCB 182 + 187	ng/g	0.0595	0.0203	0.122	0.0317	0.105	0.22	0.0164	1.33	4.83	0.808	0.0724	NS
PCB 183	ng/g	0.0291	0.0099	0.0606	0.017	<0.0674	0.105	<0.0096	0.637	2.34	0.394	0.034	NS
PCB 185	ng/g	<0.0096	<0.0095	0.0112	<0.0099	<0.0674	0.0217	<0.0096	0.132	0.494	0.0743	<0.0098	NS
PCB 189	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0504	0.227	0.041	<0.0098	NS
PCB 191	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0306	0.273	0.0877	0.144	NS
PCB 193	ng/g	<0.0096	<0.0095	0.0254	<0.0099	<0.0674	0.0364	<0.0096	0.198	0.56	0.102	0.151	NS
PCB 194	ng/g	0.0345	0.0151	0.0704	0.0176	<0.0674	0.145	0.0107	0.703	2.96	0.435	0.0395	NS
PCB 195	ng/g	0.0105	<0.0095	0.0227	<0.0099	<0.0674	0.0186	<0.0096	0.379	0.959	0.125	0.0138	NS
PCB 196 + 203	ng/g	0.0354	0.0181	0.0744	0.0321	<0.0674	0.113	0.0111	0.701	3.07	0.464	0.042	NS
PCB 199	ng/g	0.03	0.0129	0.0603	0.0182	<0.0674	0.0724	<0.0096	0.59	2.51	0.375	0.0346	NS
PCB 202	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	0.0145	<0.0096	0.0763	0.298	0.0494	<0.0098	NS
PCB 205	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0255	0.138	0.0229	0.03	NS
PCB 206	ng/g	<0.0096	<0.0095	0.0128	<0.0099	<0.0674	0.0152	<0.0096	0.113	0.497	0.0674	<0.0098	NS
PCB 207	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0149	0.0587	0.01	<0.0098	NS
PCB 208	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0146	0.0691	0.0115	<0.0098	NS
PCB 209	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0144	0.0855	<0.0096	<0.0098	NS
Total MonoCB	ng/g	<0.014	<0.013	<0.014	<0.014	<0.095	<0.014	<0.014	<0.014	0.108	<0.014	0.436	NS
Total DiCB	ng/g	<0.025	<0.025	0.026	<0.026	<0.178	0.049	<0.025	0.154	0.707	0.152	3.72	NS
Total TriCB	ng/g	<0.032	<0.032	0.09	<0.033	<0.224	0.25	<0.032	2.31	6.08	1.46	6.37	NS
Total TetraCB	ng/g	0.226	0.149	0.435	0.119	<0.286	0.807	0.085	3.12	14	2.96	0.383	NS
Total PentaCB	ng/g	0.497	0.18	0.887	0.28	0.546	1.39	0.136	9.88	38.7	6.71	1.21	NS
Total HexaCB	ng/g	0.67	0.26	1.43	0.39	0.812	2.48	0.146	15.7	54.4	10.1	1.41	NS
Total HeptaCB	ng/g	0.437	0.116	0.92	0.17	0.556	1.41	0.1	9.76	36.6	5.72	2.99	NS
Total OctaCB	ng/g	0.11	0.046	0.239	0.068	<0.178	0.364	<0.025	2.53	10.2	1.51	0.16	NS
Total NonaCB	ng/g	<0.017	<0.016	<0.017	<0.017	<0.117	<0.017	<0.017	0.142	0.625	0.089	<0.017	NS
Total DecaCB	ng/g	<0.0096	<0.0095	<0.0096	<0.0099	<0.0674	<0.0099	<0.0096	0.0144	0.0855	<0.0096	<0.0098	NS
Total PCB Congeners	ng/g	1.94	0.751	4.03	1.03	1.91	6.75	0.467	43.6	162	28.7	16.7	1300[EL,EW]
Total PCB Congeners	mg/kg	0.00194	0.000751	0.00403	0.00103	0.00191	0.00675	0.000467	0.0436	0.162	0.0287	0.0167	1.3[EL,EW]

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

TABLE 6

Live Moss Quality Results - PCB Congeners (HRMS Method), PCDDs and PCDFs

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 4	Plot 11	Plot 70	Plot 71	Plot 109	Plot 109*	Plot 110	Plot 114	Plot 117	Plot 123	Plot 402	Alberta Tier 1 - Soils
Sample Date		29-May-24	28-May-24	30-May-24	30-May-24	29-May-24	29-May-24	29-May-24	30-May-24	30-May-24	28-May-24	27-May-24	Natural Area
MSI Sample Number	Unit	15867240529026	15867240528017	15867240530037	15867240530036	15867240529028	15867240529029	15867240529024	15867240530035	15867240530034	15867240528007	15867240527001	
PCB Congeners													
Total PCB Congeners	mg/kg	0.199	0.0172	0.0000917	0.000104	0.0913	0.114	0.011	0.0335	0.00912	0.00267	0.000434	1.3[EL,EW]
Lower Bound PCB TEQ	ng/kg	26.2	2.32	0.0000685	0.000194	11.9	15	1.31	3.51	0.98	0.382	0.000966	NS
Mid Point PCB TEQ	ng/kg	26.2	2.32	0.0178	0.0247	11.9	15	1.34	3.51	0.98	0.394	0.0296	NS
Upper Bound PCB TEQ	ng/kg	26.2	2.32	0.0353	0.0492	11.9	15	1.34	3.51	0.98	0.404	0.0576	NS
PCDDs													
2,3,7,8-Tetra CDD	ng/kg	<0.19	<0.14	<0.18	<0.16	<0.17	0.19	<0.24	<0.16	<0.095	<0.18	<0.13	NS
1,2,3,7,8-Penta CDD	ng/kg	0.59	<0.12	<0.21	<0.14	0.33	0.47	<0.24	<0.16	<0.23	0.15	<0.14	NS
1,2,3,4,7,8-Hexa CDD	ng/kg	0.54	<0.19	<0.18	<0.14	0.5	0.66	<0.33	0.16	<0.32	<0.16	<0.20	NS
1,2,3,6,7,8-Hexa CDD	ng/kg	1.2	<0.18	<0.18	<0.13	1.87	1.82	<0.35	0.55	0.35	<0.16	<0.21	NS
1,2,3,7,8,9-Hexa CDD	ng/kg	0.76	<0.18	<0.18	<0.13	1.1	1.3	<0.33	0.22	<0.31	<0.16	<0.20	NS
1,2,3,4,6,7,8-Hepta CDD	ng/kg	17.6	2.1	0.68	0.84	15.7	24.2	3.8	4.48	2.8	0.86	1.4	NS
1,2,3,4,6,7,8,9-Octa CDD	ng/kg	68.1	6.8	6.42	5.12	50.9	92.7	15.3	16.1	16.1	3.64	12.1	NS
Total Tetra CDD	ng/kg	<0.19	0.79	<0.18	<0.16	<0.17	0.19	<0.24	0.21	<0.095	<0.18	<0.13	NS
Total TetraCDD Homologues	-	0	2	0	0	0	1	0	1	0	0	0	NS
Total Penta CDD	ng/kg	2.42	0.28	<0.21	<0.14	0.59	3.37	<0.24	0.24	0.52	0.15	<0.14	NS
Total PentaCDD Homologues	-	1	2	0	0	1	1	0	1	2	1	0	NS
Total Hexa CDD	ng/kg	11.9	2.41	<0.18	0.49	11.7	16.2	1.19	4.13	1.11	0.45	<0.21	NS
Total HexaCDD Homologues	-	4	3	0	1	6	4	2	3	1	1	0	NS
Total Hepta CDD	ng/kg	36.5	5.06	<0.32	0.84	32.7	55	<0.67	9.4	3.84	<0.24	<0.34	NS
Total HeptaCDD Homologues	-	2	2	0	1	2	2	0	2	1	0	0	NS
PCDFs													
2,3,7,8-Tetra CDF	ng/kg	10.3	1.8	<0.15	<0.15	4.54	5.52	2.1	1	<0.23	0.25	<0.18	NS
1,2,3,7,8-Penta CDF	ng/kg	1.9	0.41	<0.13	<0.099	1.71	1.9	0.65	0.37	<0.12	<0.12	<0.098	NS
2,3,4,7,8-Penta CDF	ng/kg	4.38	0.88	<0.11	<0.075	2.91	3.46	0.68	0.56	0.19	0.16	<0.075	NS
1,2,3,4,7,8-Hexa CDF	ng/kg	2.24	0.31	<0.073	<0.067	2.25	2.32	<0.34	0.57	0.23	<0.086	<0.10	NS
1,2,3,6,7,8-Hexa CDF	ng/kg	1.4	0.32	<0.079	<0.076	1.7	2.16	<0.39	0.41	0.18	<0.091	<0.11	NS
1,2,3,7,8,9-Hexa CDF	ng/kg	0.53	<0.22	<0.11	<0.12	<0.49	0.7	<0.60	<0.30	<0.16	<0.13	<0.16	NS
2,3,4,6,7,8-Hexa CDF	ng/kg	1.6	0.35	<0.087	<0.089	2.1	3.22	<0.44	0.75	0.41	<0.10	<0.11	NS
1,2,3,4,6,7,8-Hepta CDF	ng/kg	8.86	1.4	<0.18	0.23	9.5	11	1.2	2.8	1.3	0.27	0.2	NS
1,2,3,4,7,8,9-Hepta CDF	ng/kg	1.26	<0.28	<0.34	<0.38	0.98	<2.1	<0.78	0.58	0.4	<0.23	<0.23	NS
1,2,3,4,6,7,8,9-Octa CDF	ng/kg	9.83	1.42	0.42	<0.40	6.24	6.6	0.95	2.19	1.3	0.33	0.5	NS
Total Tetra CDF	ng/kg	30.2	10.6	<0.15	<0.15	17.5	15.4	1.98	2.11	0.44	<0.20	<0.18	NS
Total TetraCDF Homologues	-	11	5	0	0	8	9	4	4	2	0	0	NS
Total Penta CDF	ng/kg	16.7	0.48	<0.13	<0.099	18.7	23.5	0.65	2.9	0.56	0.42	<0.098	NS
Total PentaCDF Homologues	-	4	1	0	0	8	7	1	4	2	2	0	NS
Total Hexa CDF	ng/kg	11	0.4	<0.11	<0.12	10.7	19.9	<0.60	2.14	0.69	0.18	<0.16	NS
Total HexaCDF Homologues	-	5	2	0	0	5	9	0	4	1	1	0	NS
Total Hepta CDF	ng/kg	12.4	1.4	<0.34	<0.38	9.5	4.4	<0.78	4.11	1.7	0.27	<0.23	NS
Total HeptaCDF Homologues	-	3	1	0	0	1	3	0	3	2	1	0	NS
Lower Bound PCDD/PCDF TEQ	ng/kg	2.92	0.0671	0.00193	0.00991	2.39	3	0.0242	0.084	0.0218	0.149	0.00363	NS
Mid Point PCDD/PCDF TEQ	ng/kg	4.21	0.761	0.277	0.222	3.05	3.92	0.871	0.804	0.439	0.368	0.232	NS
Upper Bound PCDD/PCDF TEQ	ng/kg	4.31	0.931	0.545	0.432	3.16	3.93	1.25	0.979	0.655	0.505	0.445	NS
Total TEQ	ng/kg	30.41	3.081	0.2948	0.2467	14.95	18.92	2.211	4.314	1.419	0.762	0.2616	250[EL,EW]

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

TABLE 7

Historical Live Moss Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentration (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 4	26-Aug-03	1.6	---	---	130	---
Plot 4	1-Sep-04	1.8	---	---	93.7	---
Plot 4	30-Aug-05	1.3	0.24	55.75	40	95.75
Plot 4	16-May-06	1.6	1.9	198.99	74	272.99
Plot 4	5-Jun-07	1.1	0.77	120.73	37	157.73
Plot 4	15-May-08	0.82	0.96	122.8	84.09	206.89
Plot 4	1-Jun-08	---	0.96	131.22	91.35	222.57
Plot 4	12-Jun-09	2.11	1.05	170.41	60.47	230.88
Plot 4	18-Jul-09	2.2	0.861	94.36	23.77	118.13
Plot 4	25-May-10	1.4	1.95	131.89	42.38	174.27
Plot 4	31-May-11	1.34	1.73	128	29.1	157.1
Plot 4	1-Jun-12	0.6	1.62	192	39.17	231.17
Plot 4	5-Jun-13	1.63	1.98	216	61.78	277.78
Plot 4	29-May-14	0.427	0.336	46.8	68.6	115.4
Plot 4	3-Jun-15	1.39	0.983	112	26.4	138.4
Plot 4	31-May-16	---	0.436	43.5	10.3	53.8
Plot 4	31-May-17	---	0.875	105	26.7	131.7
Plot 4	29-May-18	---	1.09	136	34.4	170.4
Plot 4	31-May-19	0.346	0.862	101	29	130
Plot 4	3-Jun-20	---	0.43	50.3	8.45	58.75
Plot 4	8-Jun-22	---	0.221	23.8	5.69	29.49
Plot 4	19-Jun-23	---	0.159	20.8	2.06	22.86
Plot 4	29-May-24	0.411	0.199	26.2	4.21	30.41
Plot 11	26-Aug-03	0.19	---	---	25.5	---
Plot 11	31-Aug-04	0.16	---	---	16.9	---
Plot 11	31-Aug-05	0.14	0.11	15.88	11	26.88
Plot 11	16-May-06	0.19	0.11	21.36	17	38.36
Plot 11	5-Jun-07	0.14	0.17	20.34	13	33.34
Plot 11	14-May-08	0.14	0.14	23.31	15.33	38.64
Plot 11	1-Jun-08	---	0.14	23.57	17.76	41.33
Plot 11	12-Jun-09	0.15	0.0645	12.4	8.81	21.21
Plot 11	18-Jul-09	0.085	0.0932	9.81	8.41	18.22
Plot 11	26-May-10	0.081	0.187	22.36	14.49	36.85
Plot 11	31-May-11	0.085	0.193	20.3	8.38	28.68
Plot 11	1-Jun-12	<0.050	0.169	23.8	12.39	36.19
Plot 11	5-Jun-13	0.138	0.144	19.4	6.98	26.38
Plot 11	31-May-14	<0.050	0.0167	2.33	11.3	13.63
Plot 11	3-Jun-15	<0.050	0.117	17.9	11.1	29
Plot 11	31-May-16	---	0.0262	3.05	1.38	4.43
Plot 11	1-Jun-17	---	0.0742	9.23	7.65	16.88
Plot 11	31-May-18	---	0.0559	7.2	3.07	10.27
Plot 11	1-Jun-19	<0.050	0.0508	6.82	4	10.82
Plot 11	2-Jun-20	---	0.0288	3.44	0.969	4.409
Plot 11	8-Jun-22	---	0.017	1.29	0.643	1.933
Plot 11	29-Jun-23	---	0.0236	3.65	0.77	4.42
Plot 11	28-May-24	<0.025	0.0172	2.32	0.761	3.081

TABLE 7

Historical Live Moss Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentration (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 28	30-Aug-04	<0.01	---	---	---	---
Plot 28	12-Jun-09	<0.010	---	---	---	---
Plot 28	5-Jun-13	<0.050	0.0118	1.2	1.17	2.37
Plot 28	30-May-14	<0.050	---	---	---	---
Plot 28	3-Jun-15	<0.050	0.00604	1.48	0.699	2.179
Plot 70	26-Aug-03	<0.02	---	---	1.16	---
Plot 70	30-Aug-04	<0.01	---	---	3.03	---
Plot 70	31-Aug-05	<0.02	0.0074	0.05	0.24	0.29
Plot 70	17-May-06	<0.01	0.0021	0.02	0.5	0.52
Plot 70	5-Jun-07	<0.01	0.0017	0.01	0.49	0.5
Plot 70	14-May-08	<0.01	0.0013	1.69	0.32	2.01
Plot 70	1-Jun-08	---	0.0013	1.49	0.34	1.83
Plot 70a	12-Jun-09	<0.010	0.00129	0.09	0.69	0.78
Plot 70a	19-Jul-09	<0.0010	0.0243	0.01	1.83	1.84
Plot 70	25-May-10	<0.050	0.00203	0.01	1.45	1.46
Plot 70	31-May-11	<0.050	0.00359	0.01	1.2	1.21
Plot 70	1-Jun-12	<0.050	0.000772	0.01	0.78	0.79
Plot 70	5-Jun-13	<0.050	0.00311	0.01	0.94	0.95
Plot 70	31-May-14	<0.050	0.000963	0.00294	5.37	5.37294
Plot 70	4-Jun-15	<0.050	0.000506	0.155	0.459	0.614
Plot 70	2-Jun-16	---	0.000131	0.0598	0.148	0.2078
Plot 70	1-Jun-17	---	0.000137	0.0264	0.272	0.2984
Plot 70	31-May-18	---	0.000521	0.0469	0.354	0.4009
Plot 70	1-Jun-19	<0.050	0.000455	0.0564	0.623	0.6794
Plot 70	2-Jun-20	---	0.000203	0.0241	0.12	0.1441
Plot 70	7-Jun-22	---	0.000136	0.0177	0.22	0.2377
Plot 70	19-Jun-23	---	0.0000653	0.127	0.117	0.244
Plot 70	30-May-24	<0.029	0.0000917	0.0178	0.277	0.2948
Plot 71	26-Aug-03	<0.02	---	---	0.62	---
Plot 71	2-Sep-04	<0.01	---	---	2.92	---
Plot 71	31-Aug-05	<0.02	0.0037	0.02	0.65	0.67
Plot 71	16-May-06	<0.01	0.0012	0	0.48	0.48
Plot 71	5-Jun-07	<0.01	0.0012	0.01	0.35	0.36
Plot 71	14-May-08	<0.01	0.004	1.49	0.72	2.21
Plot 71	1-Jun-08	---	0.004	1.21	0.6	1.81
Plot 71	12-Jun-09	<0.010	0.000847	ND	0.42	0.42
Plot 71	17-Jul-09	<0.0010	0.00249	ND	0.32	0.32
Plot 71	25-May-10	<0.050	0.00228	0.01	0.85	0.86
Plot 71	31-May-11	<0.050	0.0017	ND	0.23	0.23
Plot 71	1-Jun-12	<0.050	<0.00001	ND	0.76	0.76
Plot 71	5-Jun-13	<0.050	0.00215	0.01	0.21	0.22
Plot 71	31-May-14	<0.050	0.00023	0.000404	0.717	0.717404
Plot 71	4-Jun-15	<0.050	0.000954	0.232	0.461	0.693
Plot 71	2-Jun-16	---	0.000135	0.0255	0.26	0.2855
Plot 71	1-Jun-17	---	0.000291	0.0489	0.208	0.2569
Plot 71	31-May-18	---	0.000118	0.027	0.13	0.157
Plot 71	1-Jun-19	<0.050	0.000283	0.0332	0.194	0.2272
Plot 71	4-Jun-20	---	0.000142	0.0211	0.227	0.2481
Plot 71	6-Jun-22	---	0.00019	0.0113	0.133	0.1443
Plot 71	19-Jun-23	---	0.0000748	0.00956	0.121	0.13056
Plot 71	30-May-24	<0.018	0.000104	0.0247	0.222	0.2467

TABLE 7

Historical Live Moss Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentration (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 109	26-Aug-03	0.41	---	---	53.5	---
Plot 109	2-Sep-04	0.34	---	---	34.2	---
Plot 109	31-Aug-05	0.49	0.15	26.92	23	49.92
Plot 109	16-May-06	0.33	0.36	47.11	28	75.11
Plot 109	5-Jun-07	0.51	0.27	40.5	15	55.5
Plot 109	14-May-08	0.47	0.5	63.75	53.77	117.52
Plot 109	1-Jun-08	---	0.5	67.18	58.91	126.09
Plot 109	12-Jun-09	0.344	0.274	46.16	30.25	76.41
Plot 109	18-Jul-09	0.36	0.466	46.78	37.55	84.33
Plot 109	26-May-10	0.463	0.595	56.08	22.93	79.01
Plot 109	31-May-11	0.534	0.759	50.3	21.89	72.19
Plot 109	1-Jun-12	0.226	0.61	55.7	23.24	78.94
Plot 109	5-Jun-13	0.474	0.724	82	27.5	109.5
Plot 109	30-May-14	0.612	0.236	24	51.9	75.9
Plot 109	4-Jun-15	0.747	0.543	49	26.2	75.2
Plot 109	31-May-16	---	0.164	14.8	5.06	19.86
Plot 109	31-May-17	---	0.506	53	28.5	81.5
Plot 109	30-May-18	---	0.754	80.6	70.7	151.3
Plot 109	30-May-19	0.228	0.348	37.4	21.4	58.8
Plot 109	3-Jun-20	---	0.21	22.9	6.03	28.93
Plot 109	7-Jun-22	---	0.0919	7.74	2.72	10.46
Plot 109	20-Jun-23	---	0.0684	8.52	1.49	10.01
Plot 109	29-May-24	0.36	0.0913	11.9	3.05	14.95
Plot 110	26-Aug-03	0.07	---	---	10.4	---
Plot 110	31-Aug-04	0.04	---	---	7.07	---
Plot 110	31-Aug-05	0.03	0.035	25.32	0.29	25.61
Plot 110	16-May-06	0.06	0.042	4.84	8.8	13.64
Plot 110	5-Jun-07	0.03	0.027	0.44	3.6	4.04
Plot 110	14-May-08	0.02	0.037	5.3	4.57	9.87
Plot 110	1-Jun-08	---	0.037	5.1	5.7	10.8
Plot 110	12-Jun-09	0.031	0.0204	3.44	3.86	7.3
Plot 110	18-Jul-09	0.041	0.0316	2.65	3.35	6
Plot 110	26-May-10	<0.050	0.0657	5.17	4.6	9.77
Plot 110	31-May-11	<0.050	0.052	3.85	4.88	8.73
Plot 110	1-Jun-12	<0.050	0.0342	5.22	4.63	9.85
Plot 110	4-Jun-13	<0.050	0.0376	3.67	3.18	6.85
Plot 110	30-May-14	<0.050	0.00629	0.72	6.28	7
Plot 110	4-Jun-15	<0.050	0.015	1.74	1.64	3.38
Plot 110	31-May-16	---	0.00455	0.441	0.695	1.136
Plot 110	31-May-17	---	0.0169	1.85	3.13	4.98
Plot 110	30-May-18	---	0.0133	1.5	1.37	2.87
Plot 110	30-May-19	<0.050	0.0101	1.24	1.71	2.95
Plot 110	3-Jun-20	---	0.00351	0.429	0.378	0.807
Plot 110	7-Jun-22	---	0.00263	0.255	0.307	0.562
Plot 110	20-Jun-23	---	0.00237	0.333	0.192	0.525
Plot 110	29-May-24	<0.021	0.011	1.34	0.871	2.211

TABLE 7

Historical Live Moss Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentration (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 114	26-Aug-03	0.19	---	---	17.4	---
Plot 114	31-Aug-04	0.3	---	---	14.5	---
Plot 114	30-Aug-05	0.2	0.11	17.82	3.8	21.62
Plot 114	15-May-06	0.11	0.21	29.82	8.1	37.92
Plot 114	4-Jun-07	0.21	0.69	44.42	14	58.42
Plot 114	14-May-08	0.16	0.097	12.69	3.43	16.12
Plot 114	1-Jun-08	---	0.097	13.35	4.1	17.45
Plot 114	12-Jun-09	0.377	0.19	23.44	12.99	36.43
Plot 114	18-Jul-09	0.21	0.217	20.94	4.37	25.31
Plot 114	26-May-10	0.172	0.349	30.65	9.18	39.83
Plot 114	31-May-11	0.249	0.497	35.6	12.57	48.17
Plot 114	1-Jun-12	0.123	0.235	24.5	9.09	33.59
Plot 114	4-Jun-13	0.052	0.378	32.8	8.92	41.72
Plot 114	31-May-14	0.283	0.0874	10.2	21	31.2
Plot 114	4-Jun-15	0.201	0.17	19	8.02	27.02
Plot 114	1-Jun-16	---	0.127	8.95	3.82	12.77
Plot 114	31-May-17	---	0.0643	6.04	3.43	9.47
Plot 114	30-May-18	---	0.202	19.8	8.49	28.29
Plot 114	31-May-19	0.079	0.135	14.8	9.13	23.93
Plot 114	3-Jun-20	---	0.0364	4.81	0.689	5.499
Plot 114	7-Jun-22	---	0.041	2.98	0.949	3.929
Plot 114	20-Jun-23	---	0.0363	3.7	0.805	4.505
Plot 114	30-May-24	0.053	0.0335	3.51	0.804	4.314
Plot 117	26-Aug-03	0.05	---	---	5.95	---
Plot 117	31-Aug-04	0.04	---	---	5.42	---
Plot 117	30-Aug-05	0.06	0.039	4.5	1.8	6.3
Plot 117	15-May-06	0.11	0.058	8.46	3.6	12.06
Plot 117	4-Jun-07	0.11	0.045	7.03	2.7	9.73
Plot 117	14-May-08	0.04	0.033	6.01	1.68	7.69
Plot 117	1-Jun-08	---	0.033	5.81	1.89	7.7
Plot 117	12-Jun-09	0.071	0.0365	6.7	1.66	8.36
Plot 117	18-Jul-09	0.086	0.0509	4.61	2.79	7.4
Plot 117	26-May-10	<0.050	0.0701	6.76	1.24	8
Plot 117	31-May-11	<0.050	0.137	10.3	4.28	14.58
Plot 117	1-Jun-12	<0.050	0.0353	0.19	1.27	1.46
Plot 117	4-Jun-13	<0.050	0.0997	10.2	3.13	13.33
Plot 117	31-May-14	<0.050	0.0125	0.0451	3.97	4.0151
Plot 117	4-Jun-15	<0.050	0.0657	5.86	6.26	12.12
Plot 117	1-Jun-16	---	0.0159	1.44	0.697	2.137
Plot 117	31-May-17	---	0.0363	3.8	2.36	6.16
Plot 117	30-May-18	---	0.0257	2.82	1.51	4.33
Plot 117	31-May-19	<0.050	0.0284	3.29	1.94	5.23
Plot 117	3-Jun-20	---	0.00632	0.741	0.221	0.962
Plot 117	7-Jun-22	---	0.00441	0.319	0.177	0.496
Plot 117	20-Jun-23	---	0.00547	0.579	0.293	0.872
Plot 117	30-May-24	<0.023	0.00912	0.98	0.439	1.419

TABLE 7

Historical Live Moss Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentration (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 123	26-Aug-03	0.02	---	---	2.69	---
Plot 123	30-Aug-04	<0.01	---	---	9.3	---
Plot 123	30-Aug-05	<0.02	0.0062	0.08	0.72	0.8
Plot 123	16-May-06	<0.01	0.014	1.89	2	3.89
Plot 123	5-Jun-07	0.02	0.011	1.67	2.2	3.87
Plot 123	14-May-08	0.01	0.015	3.34	1.43	4.77
Plot 123	1-Jun-08	---	0.015	2.88	1.71	4.59
Plot 123	12-Jun-09	<0.010	0.0107	2.05	1.37	3.42
Plot 123	18-Jul-09	<0.0010	0.0149	1.33	2.02	3.35
Plot 123	26-May-10	<0.050	0.0104	1.15	0.24	1.39
Plot 123	31-May-11	<0.050	0.0243	1.83	1.91	3.74
Plot 123	1-Jun-12	<0.050	0.00345	0.04	0.63	0.67
Plot 123	4-Jun-13	<0.050	0.0202	3.01	2.95	5.96
Plot 123	30-May-14	<0.050	0.000549	0.00199	1.78	1.78199
Plot 123	3-Jun-15	<0.050	0.0109	1.28	1.16	2.44
Plot 123	30-May-16	---	0.00398	0.455	0.303	0.758
Plot 123	31-May-17	---	0.00478	0.529	0.53	1.059
Plot 123	31-May-18	---	0.0106	1.2	0.496	1.696
Plot 123	30-May-19	<0.050	0.00316	0.379	0.361	0.74
Plot 123	2-Jun-20	---	0.0128	1.54	0.912	2.452
Plot 123	6-Jun-22	---	0.00244	0.318	0.124	0.442
Plot 123	19-Jun-23	---	0.00143	0.222	0.118	0.34
Plot 123	28-May-24	<0.027	0.00267	0.394	0.368	0.762
Plot 402	26-Aug-03	<0.02	---	---	0.788	---
Plot 402	1-Sep-04	<0.01	---	---	1.32	---
Plot 402	30-Aug-05	<0.02	0.0049	0.03	0.85	0.88
Plot 402	16-May-06	<0.01	0.0053	0.06	0.49	0.55
Plot 402	5-Jun-07	<0.01	0.0023	0.04	0.44	0.48
Plot 402	14-May-08	<0.01	0.0064	1.52	0.54	2.06
Plot 402	1-Jun-08	---	0.0064	1.31	0.57	1.88
Plot 402	12-Jun-09	<0.010	0.00203	0.01	0.37	0.38
Plot 402	17-Jul-09	<0.0010	0.00569	0.21	0.73	0.94
Plot 402	25-May-10	<0.050	0.00273	0.39	0.41	0.8
Plot 402	31-May-11	<0.050	0.00393	0.38	0.23	0.61
Plot 402	1-Jun-12	<0.050	0.00106	1.33	1.4	2.73
Plot 402	4-Jun-13	<0.050	0.00682	0.02	0.54	0.56
Plot 402	30-May-14	<0.050	0.000678	0.00191	1.19	1.19191
Plot 402	4-Jun-15	<0.050	0.00194	0.236	1.03	1.266
Plot 402	30-May-16	---	0.000675	0.078	0.136	0.214
Plot 402	31-May-17	---	0.0013	0.132	0.213	0.345
Plot 402	29-May-18	---	0.00144	0.157	0.29	0.447
Plot 402	30-May-19	<0.050	0.00139	0.159	0.372	0.531
Plot 402	2-Jun-20	---	0.00188	0.274	0.318	0.592
Plot 402	6-Jun-22	---	0.00172	0.227	0.209	0.436
Plot 402	20-Jun-23	---	0.000267	0.131	0.109	0.24
Plot 402	27-May-24	<0.029	0.000434	0.0296	0.232	0.2616

Notes:

ND - results reported as zero in lab report

[1] - midpoint estimate used for TEQ

TABLE 8

Labrador Tea Leaves Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al %	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 4	29-May-24	15867240529126	0.0096	96	0.019	0.068	123	<0.010	23.5	0.009	0.143	0.06	3.2	108	0.238	<0.50	883	0.0194	0.032	0.58	<0.050	<0.0050	5.74	0.0021	<0.10	2.19	0.0037	0.16	28.6	<0.20
Plot 11	28-May-24	15867240528117	0.0054	54	<0.010	0.02	90	<0.010	23	0.0068	0.202	0.024	2.95	68.7	0.086	<0.50	840	0.0148	<0.020	0.33	<0.050	0.0052	6.79	0.0133	<0.10	1.08	<0.0020	<0.10	22.7	<0.20
Plot 70	30-May-24	15867240530137	0.0100	100	<0.010	0.022	95.1	<0.010	22.1	0.0086	0.152	0.043	3.06	70.6	0.052	<0.50	1310	0.0108	0.021	0.42	<0.050	<0.0050	4.5	0.0172	<0.10	1.24	0.0026	0.1	22.1	<0.20
Plot 71	30-May-24	15867240530136	0.0056	55.8	<0.010	0.022	101	<0.010	27.5	0.0062	0.051	0.037	3	59	0.039	<0.50	1180	0.0156	<0.020	0.4	<0.050	<0.0050	6.41	0.0147	<0.10	0.91	0.0021	<0.10	22.1	<0.20
Plot 109	29-May-24	15867240529128	0.0063	63	<0.010	0.023	90.1	<0.010	20.7	0.0061	0.077	0.024	2.61	56.8	0.095	<0.50	684	0.0121	0.025	0.64	<0.050	<0.0050	5.57	0.028	<0.10	1.62	<0.0020	<0.10	20.8	<0.20
Plot 109	29-May-24	15867240529129	0.0058	57.7	<0.010	0.023	99.1	<0.010	20.1	<0.0050	0.075	0.023	2.54	56	0.091	<0.50	670	0.0124	0.027	0.66	<0.050	<0.0050	5.84	0.0252	<0.10	1.08	<0.0020	<0.10	20.9	<0.20
Plot 110	29-May-24	15867240529124	0.0061	60.8	<0.010	0.026	102	<0.010	22.8	0.0067	0.069	0.032	3	73.4	0.06	<0.50	806	0.0137	0.029	0.35	<0.050	<0.0050	9.41	0.0024	<0.10	1.64	0.0023	<0.10	23.4	<0.20
Plot 114	30-May-24	15867240530135	0.0079	79.2	0.011	0.047	106	<0.010	19.4	0.018	0.094	0.098	4.18	71.1	0.193	<0.50	518	0.0203	0.027	1.51	<0.050	<0.0050	9	0.0043	<0.10	1.17	0.0021	<0.10	26.2	<0.20
Plot 117	30-May-24	15867240530134	0.0085	84.6	<0.010	0.024	62.3	<0.010	16	0.0074	0.068	0.073	3.46	60.1	0.091	<0.50	652	0.0155	<0.020	0.45	<0.050	<0.0050	6.94	0.0024	0.12	0.99	<0.0020	<0.10	20.8	<0.20
Plot 123	28-May-24	15867240528107	0.0054	54	0.012	<0.020	91.4	<0.010	20.1	<0.0050	0.086	0.036	3.04	50.3	0.036	<0.50	1010	0.0144	<0.020	0.8	<0.050	<0.0050	5.68	<0.0020	<0.10	1.05	<0.0020	<0.10	19.7	<0.20
Plot 402	27-May-24	15867240527101	0.0066	65.9	<0.010	0.027	103	<0.010	24.1	0.0087	0.086	0.042	3.2	79.4	0.059	<0.50	1050	0.0174	0.034	0.31	<0.050	<0.0050	12.4	0.0108	0.19	1.67	0.0034	<0.10	27.1	<0.20
Plot 402*	27-May-24	15867240527102	0.0076	76.1	<0.010	0.03	94.2	<0.010	23.6	0.0088	0.083	0.044	3.15	79.6	0.061	<0.50	971	0.0173	0.028	0.34	<0.050	<0.0050	11.9	0.0125	<0.10	1.74	0.0032	0.11	25.2	<0.20

Notes:

* - duplicate sample

TABLE 9

Labrador Tea Leaves Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 4	29-May-24	15867240529126	1.44	5710	1650	4350	21	1390	1260
Plot 11	28-May-24	15867240528117	1.47	5570	1590	4650	<20	1470	1240
Plot 70	30-May-24	15867240530137	1.42	5750	1320	3600	87	1450	1090
Plot 71	30-May-24	15867240530136	1.17	5700	1290	3490	34	1400	940
Plot 109	29-May-24	15867240529128	1.28	5410	1550	3880	<20	1330	1020
Plot 109*	29-May-24	15867240529129	1.33	5740	1500	3820	<20	1300	960
Plot 110	29-May-24	15867240529124	1.52	6640	1580	4030	<20	1470	1290
Plot 114	30-May-24	15867240530135	1.53	5520	1530	5100	<20	1570	1170
Plot 117	30-May-24	15867240530134	1.49	5500	1520	4000	<20	1470	1040
Plot 123	28-May-24	15867240528107	1.45	6030	1480	4420	<20	1390	1200
Plot 402	27-May-24	15867240527101	1.52	6360	1560	5000	<20	1500	1230
Plot 402*	27-May-24	15867240527102	1.51	6390	1600	5070	<20	1540	1200

Notes:

* - duplicate sample

TABLE 10

Labrador Tea Leaves Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 1	Plot 2	Plot 5	Plot 6	Plot 6*	Plot 7	Plot 8	Plot 9	Plot 9*	Plot 12	Plot 13	Plot 14	Plot 15	Plot 16
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24
MSI Sample Number	Unit	15867240528115	15867240528116	15867240529130	15867240528112	15867240528113	15867240528110	15867240528111	15867240528108	15867240528109	15867240528118	15867240527106	15867240527104	15867240529122	15867240527105
PCB Congeners															
PCB 1	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 3	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 4 + 10	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 5 + 8	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 6	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 7 + 9	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 11	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 12 + 13	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 15	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 16 + 32	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 17	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 18	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 19	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 20 + 21 + 33	ng/g	<0.0937	<0.0913	0.104	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 22	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 24 + 27	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 25	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 26	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 28 + 31	ng/g	<0.0937	<0.0913	0.292	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 37	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 40	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 41 + 64 + 68 + 71	ng/g	<0.0937	<0.0913	0.139	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 42 + 59	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 43 + 49	ng/g	<0.0937	<0.0913	0.127	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 44	ng/g	<0.0937	<0.0913	0.146	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 45	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 46	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 47 + 48 + 75	ng/g	<0.0937	<0.0913	0.114	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 52 + 73	ng/g	<0.0937	0.196	0.428	0.375	0.427	<0.0818	0.251	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 53	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 56 + 60	ng/g	<0.0937	<0.0913	0.295	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 57	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 61 + 74	ng/g	<0.0937	<0.0913	0.283	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 63	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 66 + 80	ng/g	<0.0937	<0.0913	0.532	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 70 + 76	ng/g	<0.0937	<0.0913	0.59	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 77	ng/g	<0.0937	<0.0913	0.263	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 81	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 82	ng/g	<0.0937	<0.0913	0.139	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 83 + 108	ng/g	<0.0937	<0.0913	<0.0678	0.0754	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 84 + 89 + 90 + 101	ng/g	0.106	0.22	1.52	0.124	0.123	<0.0818	0.136	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	0.0814	<0.0719
PCB 85 + 120	ng/g	<0.0937	<0.0913	0.361	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 86 + 87 + 111 + 115 + 116 + 117	ng/g	<0.0937	0.0932	0.673	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 91	ng/g	<0.0937	<0.0913	0.0901	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 92	ng/g	<0.0937	<0.0913	0.306	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 93 + 95	ng/g	<0.0937	0.106	0.664	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 97	ng/g	<0.0937	<0.0913	0.199	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 99	ng/g	<0.0937	0.104	0.72	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 105 + 127	ng/g	<0.0937	0.102	0.881	<0.0689	<0.0717	<0.0818	0.0834	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 106 + 118	ng/g	0.0955	0.2	1.88	0.123	0.105	<0.0818	0.167	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	0.114	<0.0719
PCB 107 + 109	ng/g	<0.0937	<0.0913	0.156	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 110	ng/g	<0.0937	0.158	1.26	0.0967	0.0949	<0.0818	0.113	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	0.0829	<0.0719
PCB 114	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 123	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 126	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 128 + 167	ng/g	<0.0937	<0.0913	0.532	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 129	ng/g	<0.0937	<0.0913	0.102	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 131 + 142 + 146 + 165	ng/g	<0.0937	<0.0913	0.337	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 132 + 168	ng/g	<0.0937	<0.0913	0.643	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 135 + 144	ng/g	<0.0937	<0.0913	0.38	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 136	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 137	ng/g	<0.0937	<0.0913	0.118	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 138 + 163 + 164	ng/g	0.162	0.345	2.8	0.193	0.165	<0.0818	0.272	<0.0698	<0.0759	0.16	<0.0913	<0.0721	0.179	<0.0719
PCB 139 + 149	ng/g	<0.0937	0.203	1.43	0.104	0.0935	<0.0818	0.126	<0.0698	<0.0759	0.102	<0.0913	<0.0721	0.0931	<0.0719
PCB 141	ng/g	<0.0937	<0.0913	0.501	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719

TABLE 10

Labrador Tea Leaves Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 1	Plot 2	Plot 5	Plot 6	Plot 6*	Plot 7	Plot 8	Plot 9	Plot 9*	Plot 12	Plot 13	Plot 14	Plot 15	Plot 16
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24
MSI Sample Number	Unit	15867240528115	15867240528116	15867240529130	15867240528112	15867240528113	15867240528110	15867240528111	15867240528108	15867240528109	15867240528118	15867240527106	15867240527104	15867240529122	15867240527105
PCB Congeners															
PCB 151	ng/g	<0.0937	<0.0913	0.437	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 153	ng/g	0.14	0.312	2.45	0.165	0.148	<0.0818	0.234	<0.0698	<0.0759	0.156	<0.0913	<0.0721	0.156	<0.0719
PCB 156	ng/g	<0.0937	<0.0913	0.17	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 157	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 158 + 160	ng/g	<0.0937	<0.0913	0.317	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 159	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 169	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 170 + 190	ng/g	<0.0937	<0.0913	0.228	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 171	ng/g	<0.0937	<0.0913	0.143	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 172 + 192	ng/g	<0.0937	<0.0913	0.0908	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 174 + 181	ng/g	<0.0937	<0.0913	0.589	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 177	ng/g	<0.0937	<0.0913	0.308	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 180	ng/g	<0.0937	0.155	1.4	0.122	0.0803	<0.0818	0.149	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	0.125	<0.0719
PCB 182 + 187	ng/g	<0.0937	<0.0913	0.734	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 183	ng/g	<0.0937	<0.0913	0.359	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 185	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 189	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 191	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 193	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 194	ng/g	<0.0937	<0.0913	0.134	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 195	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 196 + 203	ng/g	<0.0937	<0.0913	0.296	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 199	ng/g	<0.0937	<0.0913	0.218	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 202	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 205	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 206	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 207	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 208	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
PCB 209	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
Total MonoCB	ng/g	<0.132	<0.129	<0.096	<0.097	<0.101	<0.116	<0.117	<0.099	<0.107	<0.136	<0.129	<0.102	<0.111	<0.102
Total DiCB	ng/g	<0.248	<0.242	<0.179	<0.182	<0.190	<0.216	<0.218	<0.185	<0.201	<0.254	<0.242	<0.191	<0.207	<0.190
Total TriCB	ng/g	<0.311	<0.303	0.396	<0.228	<0.238	<0.271	<0.274	<0.232	<0.252	<0.319	<0.303	<0.239	<0.260	<0.238
Total TetraCB	ng/g	<0.398	<0.387	2.92	0.375	0.427	<0.347	<0.350	<0.296	<0.322	<0.408	<0.387	<0.306	<0.333	<0.305
Total PentaCB	ng/g	<0.386	0.983	8.85	0.419	0.323	<0.337	0.499	<0.288	<0.313	<0.397	<0.376	<0.297	<0.323	<0.296
Total HexaCB	ng/g	<0.386	0.86	10.2	0.462	0.406	<0.337	0.632	<0.288	<0.313	0.418	<0.376	<0.297	0.428	<0.296
Total HeptaCB	ng/g	<0.324	<0.316	3.85	<0.239	<0.248	<0.283	<0.286	<0.242	<0.263	<0.333	<0.316	<0.250	<0.272	<0.249
Total OctaCB	ng/g	<0.248	<0.242	0.648	<0.182	<0.190	<0.216	<0.218	<0.185	<0.201	<0.254	<0.242	<0.191	<0.207	<0.190
Total NonaCB	ng/g	<0.162	<0.158	<0.117	<0.119	<0.124	<0.142	<0.143	<0.121	<0.131	<0.167	<0.158	<0.125	<0.136	<0.124
Total DecaCB	ng/g	<0.0937	<0.0913	<0.0678	<0.0689	<0.0717	<0.0818	<0.0825	<0.0698	<0.0759	<0.0962	<0.0913	<0.0721	<0.0784	<0.0719
Total PCB Congeners	ng/g	<0.913	1.84	26.9	1.26	1.16	<0.797	1.13	<0.681	<0.740	<0.938	<0.890	<0.703	<0.764	<0.700
Total PCB Congeners	mg/kg	<0.000913	0.00184	0.0269	0.00126	0.00116	<0.000797	0.00113	<0.000681	<0.000740	<0.000938	<0.000890	<0.000703	<0.000764	<0.000700

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

TABLE 10

Labrador Tea Leaves Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 26	Plot 27	Plot 28	Plot 29	Plot 80	Plot 81	Plot 102	Plot 103	Plot 104	Plot 121
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24
MSI Sample Number	Unit	15867240528120	15867240530133	15867240528119	15867240527103	15867240529125	15867240528121	15867240529131	15867240529132	15867240528114	15867240529123
PCB Congeners											
PCB 1	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 3	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 4 + 10	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 5 + 8	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 6	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 7 + 9	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 11	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	0.143	<0.0795
PCB 12 + 13	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 15	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 16 + 32	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 17	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 18	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 19	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 20 + 21 + 33	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 22	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 24 + 27	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 25	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 26	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 28 + 31	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.144	0.254	0.105	<0.0795
PCB 37	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 40	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 41 + 64 + 68 + 71	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.0766	0.118	<0.0917	<0.0795
PCB 42 + 59	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 43 + 49	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.137	<0.0917	<0.0795
PCB 44	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.121	<0.0917	<0.0795
PCB 45	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 46	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 47 + 48 + 75	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.11	<0.0917	<0.0795
PCB 52 + 73	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.234	0.472	0.192	<0.0795
PCB 53	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 56 + 60	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.122	0.23	<0.0917	<0.0795
PCB 57	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 61 + 74	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.125	0.195	<0.0917	<0.0795
PCB 63	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 66 + 80	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.238	0.422	0.153	<0.0795
PCB 70 + 76	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.281	0.514	0.173	<0.0795
PCB 77	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.118	0.18	<0.0917	<0.0795
PCB 81	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 82	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.121	<0.0917	<0.0795
PCB 83 + 108	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 84 + 89 + 90 + 101	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	0.087	<0.0843	0.718	1.36	0.458	<0.0795
PCB 85 + 120	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.169	0.297	0.113	<0.0795
PCB 86 + 87 + 111 + 115 + 116 + 117	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.329	0.592	0.196	<0.0795
PCB 91	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 92	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.142	0.215	<0.0917	<0.0795
PCB 93 + 95	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.336	0.569	0.207	<0.0795
PCB 97	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.101	0.187	<0.0917	<0.0795
PCB 99	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.303	0.574	0.235	<0.0795
PCB 105 + 127	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.335	0.713	0.263	<0.0795
PCB 106 + 118	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	0.0839	<0.0843	0.74	1.44	0.578	<0.0795
PCB 107 + 109	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.128	<0.0917	<0.0795
PCB 110	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.541	1.09	0.377	<0.0795
PCB 114	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 123	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 126	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 128 + 167	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.208	0.439	0.155	<0.0795
PCB 129	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 131 + 142 + 146 + 165	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.137	0.257	0.138	<0.0795
PCB 132 + 168	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.258	0.511	0.177	<0.0795
PCB 135 + 144	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.174	0.273	0.107	<0.0795
PCB 136	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 137	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 138 + 163 + 164	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	0.122	<0.0843	1.14	2.23	0.778	<0.0795
PCB 139 + 149	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.639	1.12	0.414	<0.0795
PCB 141	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.206	0.375	0.143	<0.0795

TABLE 10

Labrador Tea Leaves Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 26	Plot 27	Plot 28	Plot 29	Plot 80	Plot 81	Plot 102	Plot 103	Plot 104	Plot 121
Sample Date		27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24
MSI Sample Number	Unit	15867240528120	15867240530133	15867240528119	15867240527103	15867240529125	15867240528121	15867240529131	15867240529132	15867240528114	15867240529123
PCB Congeners											
PCB 151	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.201	0.309	0.127	<0.0795
PCB 153	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	0.0909	<0.0843	0.986	1.82	0.698	<0.0795
PCB 156	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.155	<0.0917	<0.0795
PCB 157	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 158 + 160	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.129	0.278	0.103	<0.0795
PCB 159	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 169	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 170 + 190	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.163	0.396	<0.0917	<0.0795
PCB 171	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.114	<0.0917	<0.0795
PCB 172 + 192	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 174 + 181	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.236	0.483	0.161	<0.0795
PCB 177	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.109	0.231	<0.0917	<0.0795
PCB 180	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.494	1.05	0.407	<0.0795
PCB 182 + 187	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.286	0.539	0.206	<0.0795
PCB 183	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.138	0.271	0.103	<0.0795
PCB 185	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 189	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 191	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.369	<0.0981	<0.0917	<0.0795
PCB 193	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 194	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.149	<0.0917	<0.0795
PCB 195	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 196 + 203	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.156	0.217	<0.0917	<0.0795
PCB 199	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	0.0951	0.222	<0.0917	<0.0795
PCB 202	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 205	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	0.117	<0.0917	<0.0795
PCB 206	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 207	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 208	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
PCB 209	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
Total MonoCB	ng/g	<0.131	<0.126	<0.102	<0.105	<0.106	<0.119	<0.106	<0.139	<0.130	<0.112
Total DiCB	ng/g	<0.244	<0.236	<0.192	<0.196	<0.198	<0.223	<0.198	<0.260	<0.243	<0.210
Total TriCB	ng/g	<0.306	<0.296	<0.240	<0.246	<0.248	<0.280	<0.248	<0.325	<0.304	<0.264
Total TetraCB	ng/g	<0.392	<0.378	<0.307	<0.315	<0.317	<0.358	1.19	2.5	0.518	<0.337
Total PentaCB	ng/g	<0.381	<0.367	<0.298	<0.306	<0.308	<0.348	3.71	7.29	2.43	<0.328
Total HexaCB	ng/g	<0.381	<0.367	<0.298	<0.306	<0.308	<0.348	4.08	7.77	2.84	<0.328
Total HeptaCB	ng/g	<0.320	<0.309	<0.251	<0.257	<0.259	<0.292	1.8	3.08	0.877	<0.275
Total OctaCB	ng/g	<0.244	<0.236	<0.192	<0.196	<0.198	<0.223	0.251	0.705	<0.243	<0.210
Total NonaCB	ng/g	<0.160	<0.154	<0.125	<0.128	<0.129	<0.146	<0.130	<0.170	<0.159	<0.138
Total DecaCB	ng/g	<0.0924	<0.0891	<0.0724	<0.0742	<0.0747	<0.0843	<0.0749	<0.0981	<0.0917	<0.0795
Total PCB Congeners	ng/g	<0.900	<0.868	<0.705	<0.723	<0.728	<0.822	11	21.3	6.66	<0.775
Total PCB Congeners	mg/kg	<0.000900	<0.000868	<0.000705	<0.000723	<0.000728	<0.000822	0.011	0.0213	0.00666	<0.000775

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

TABLE 11

Labrador Tea Leaves Quality Results - PCB Congeners (HRMS Method), PCDDs and PCDFs

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 4	Plot 11	Plot 70	Plot 71	Plot 109	Plot 109*	Plot 110	Plot 114	Plot 117	Plot 123	Plot 402
Sample Date		29-May-24	28-May-24	30-May-24	30-May-24	29-May-24	29-May-24	29-May-24	30-May-24	30-May-24	28-May-24	27-May-24
MSI Sample Number	Unit	15867240529126	15867240528117	15867240530137	15867240530136	15867240529128	15867240529129	15867240529124	15867240530135	15867240530134	15867240528107	15867240527101
PCB Congeners												
Total PCB Congeners	mg/kg	0.0428	0.00343	0.000342	0.000223	0.0104	0.0108	0.00141	0.00896	0.00248	0.000818	0.000558
Lower Bound PCB TEQ	ng/kg	5.94	0.868	0	0.000354	0.0491	0.0376	0.00197	0.0436	0.0086	0.00187	0.000399
Mid Point PCB TEQ	ng/kg	5.95	0.922	0.208	0.195	1.26	0.921	0.162	1.49	0.189	0.254	0.203
Upper Bound PCB TEQ	ng/kg	5.95	0.971	0.416	0.389	1.36	1	0.318	1.53	0.365	0.506	0.405
PCDDs												
2,3,7,8-Tetra CDD	ng/kg	<0.39	<0.19	<0.58	<0.23	<0.42	<0.16	<0.25	<0.15	<0.20	<0.20	<0.18
1,2,3,7,8-Penta CDD	ng/kg	<0.23	<0.24	<0.26	0.38	<0.40	<0.27	<0.38	<0.37	0.37	0.6	0.54
1,2,3,4,7,8-Hexa CDD	ng/kg	<0.30	0.29	0.32	<0.23	<0.15	<0.18	<0.39	<0.39	<0.18	<0.19	<0.20
1,2,3,6,7,8-Hexa CDD	ng/kg	0.44	<0.26	<0.29	<0.22	<0.15	<0.18	<0.39	<0.37	<0.17	<0.20	0.33
1,2,3,7,8,9-Hexa CDD	ng/kg	0.4	0.3	<0.28	<0.22	0.24	<0.18	<0.37	<0.36	<0.17	<0.18	0.34
1,2,3,4,6,7,8-Hepta CDD	ng/kg	2.65	0.59	<0.31	0.76	2.54	<0.63	0.53	1.1	0.67	0.46	1.5
1,2,3,4,6,7,8,9-Octa CDD	ng/kg	7.3	2.4	2.3	2.6	4.5	1.55	2.1	2.5	1.7	2.39	9.91
Total Tetra CDD	ng/kg	<0.39	<0.19	<0.58	<0.23	<0.42	<0.16	<0.25	<0.15	<0.20	<0.20	<0.18
Total TetraCDD Homologues	-	0	0	0	0	0	0	0	0	0	0	0
Total Penta CDD	ng/kg	<0.23	<0.24	<0.26	0.38	<0.40	<0.27	<0.38	<0.37	<0.21	<0.51	0.54
Total PentaCDD Homologues	-	0	0	0	1	0	0	0	0	0	0	1
Total Hexa CDD	ng/kg	<0.30	<0.26	<0.29	<0.23	0.31	<0.18	<0.39	<0.39	<0.18	0.29	<0.20
Total HexaCDD Homologues	-	0	0	0	0	1	0	0	0	0	1	0
Total Hepta CDD	ng/kg	5.3	0.59	<0.31	0.76	2.54	<0.63	0.55	<0.14	<0.20	<0.25	<0.22
Total HeptaCDD Homologues	-	2	1	0	1	1	0	1	0	0	0	0
PCDFs												
2,3,7,8-Tetra CDF	ng/kg	0.73	<0.20	0.66	<0.33	0.36	0.58	<0.32	0.43	<0.27	<0.30	0.41
1,2,3,7,8-Penta CDF	ng/kg	0.6	0.5	0.46	0.43	<0.33	<0.22	<0.34	0.49	0.49	0.53	0.43
2,3,4,7,8-Penta CDF	ng/kg	0.57	0.24	0.34	0.25	<0.23	0.21	<0.24	0.28	<0.22	<0.22	0.22
1,2,3,4,7,8-Hexa CDF	ng/kg	<0.21	0.24	<0.20	0.13	<0.19	0.18	<0.20	0.17	<0.093	<0.25	<0.16
1,2,3,6,7,8-Hexa CDF	ng/kg	<0.20	<0.18	<0.19	<0.11	<0.19	0.14	<0.20	0.21	0.13	<0.26	<0.16
1,2,3,7,8,9-Hexa CDF	ng/kg	<0.27	0.27	<0.25	0.23	<0.23	<0.15	<0.26	0.15	0.14	<0.34	0.25
2,3,4,6,7,8-Hexa CDF	ng/kg	0.45	<0.17	<0.19	0.17	0.26	0.13	<0.21	0.12	<0.10	<0.26	0.19
1,2,3,4,6,7,8-Hepta CDF	ng/kg	1.4	0.26	<0.36	0.48	0.57	<0.32	0.41	0.59	0.35	<0.36	0.48
1,2,3,4,7,8,9-Hepta CDF	ng/kg	0.38	<0.23	<0.50	<0.70	<0.59	<0.44	<0.26	<0.37	0.31	0.58	<0.37
1,2,3,4,6,7,8,9-Octa CDF	ng/kg	2.1	0.76	0.89	1	1	0.62	1.12	0.8	0.8	0.85	1.25
Total Tetra CDF	ng/kg	0.33	<0.20	1.86	<0.33	<0.34	<0.19	<0.32	0.35	<0.27	<0.30	0.93
Total TetraCDF Homologues	-	1	0	2	0	0	0	0	1	0	0	1
Total Penta CDF	ng/kg	1.32	0.5	<0.36	0.43	<0.33	<0.22	<0.34	0.49	0.49	0.29	0.43
Total PentaCDF Homologues	-	2	1	0	1	0	0	0	1	1	1	1
Total Hexa CDF	ng/kg	0.7	0.24	0.35	0.39	<0.23	<0.15	<0.26	0.15	<0.13	<0.34	0.25
Total HexaCDF Homologues	-	2	1	2	2	0	0	0	1	0	0	1
Total Hepta CDF	ng/kg	1.4	<0.23	<0.50	<0.70	<0.59	<0.44	<0.26	0.59	<0.11	<0.48	0.48
Total HeptaCDF Homologues	-	1	0	0	0	0	0	0	1	0	0	1
Lower Bound PCDD/PCDF TEQ	ng/kg	0.103	0.0447	0.0665	0.435	0.0254	0.00065	0.000336	0.0356	0.015	0.000717	0.584
Mid Point PCDD/PCDF TEQ	ng/kg	0.797	0.463	0.711	0.714	0.617	0.426	0.485	0.542	0.608	0.861	0.91
Upper Bound PCDD/PCDF TEQ	ng/kg	1.16	0.719	1.21	0.877	1.11	0.686	0.959	0.86	0.79	1.09	1.03
Total TEQ	ng/kg	6.747	1.385	0.919	0.909	1.877	1.347	0.647	2.032	0.797	1.115	1.113

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

TABLE 12

Historical Labrador Tea Leaves Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentrations (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 4	26-Aug-03	0.50	---	---	1.02	---
Plot 4	1-Sep-04	0.26	---	---	8.99	---
Plot 4	30-Aug-05	0.21	0.17	51.52	2.60	54.12
Plot 4	16-May-06	0.27	0.15	39.20	1.30	40.50
Plot 4	5-Jun-07	0.22	0.23	34.00	2.60	36.60
Plot 4	15-May-08	0.39	0.30	29.78	1.42	31.20
Plot 4	1-Jun-08	---	0.30	33.51	1.39	34.90
Plot 4	12-Jun-09	0.10	0.24	30.39	2.78	33.17
Plot 4	18-Jul-09	0.29	0.22	7.83	0.68	8.51
Plot 4	25-May-10	0.38	0.52	43.57	2.56	46.13
Plot 4	31-May-11	0.13	0.25	27.80	0.90	28.70
Plot 4	1-Jun-12	0.15	0.44	64.00	2.53	66.53
Plot 4	5-Jun-13	0.27	0.30	41.70	1.46	43.16
Plot 4	29-May-14	0.16	0.19	26.70	3.20	29.90
Plot 4	3-Jun-15	0.03	0.19	21.20	1.80	23.00
Plot 4	31-May-16	---	0.13	17.00	1.26	18.26
Plot 4	31-May-17	---	0.10	14.10	1.01	15.11
Plot 4	29-May-18	---	0.06	10.10	0.78	10.88
Plot 4	31-May-19	---	0.07	11.70	0.86	12.56
Plot 4	3-Jun-20	---	0.06	8.49	0.27	8.76
Plot 4	8-Jun-21	---	0.06	7.82	0.53	8.35
Plot 4	8-Jun-22	---	0.0349	3.45	0.79	4.24
Plot 4	19-Jun-23	---	0.0683	10.10	8.82	18.92
Plot 4	29-May-24	---	0.0428	5.95	0.80	6.75
Plot 11	26-Aug-03	0.03	---	---	1.76	1.76
Plot 11	31-Aug-04	0.04	---	---	1.74	1.74
Plot 11	31-Aug-05	0.05	0.02	3.83	0.15	3.98
Plot 11	16-May-06	0.03	0.03	0.44	0.32	0.76
Plot 11	5-Jun-07	0.02	0.09	4.63	0.61	5.24
Plot 11	14-May-08	0.04	0.03	2.24	1.90	4.14
Plot 11	1-Jun-08	---	0.03	2.52	1.60	4.12
Plot 11	12-Jun-09	0.01	0.02	3.12	0.23	3.35
Plot 11	18-Jul-09	0.02	0.05	0.11	1.08	1.19
Plot 11	26-May-10	0.04	0.07	7.78	0.66	8.44
Plot 11	31-May-11	<0.010	0.05	3.87	0.48	4.35
Plot 11	1-Jun-12	0.02	0.02	0.19	0.95	1.14
Plot 11	5-Jun-13	0.02	0.02	3.41	0.23	3.64
Plot 11	31-May-14	0.03	0.02	3.58	0.52	4.10
Plot 11	3-Jun-15	<0.010	0.02	2.55	0.24	2.79
Plot 11	31-May-16	---	0.01	1.45	0.75	2.20
Plot 11	1-Jun-17	---	0.008	1.04	0.49	1.53
Plot 11	31-May-18	---	0.007	0.94	0.34	1.28
Plot 11	1-Jun-19	---	0.005	0.90	0.58	1.48
Plot 11	2-Jun-20	---	0.005	0.66	0.39	1.05
Plot 11	7-Jun-21	---	0.005	0.66	0.22	0.88
Plot 11	8-Jun-22	---	0.005	0.56	0.63	1.19
Plot 11	29-Jun-23	---	0.011	2.20	4.51	6.71
Plot 11	28-May-24	---	0.003	0.92	0.46	1.39

TABLE 12

Historical Labrador Tea Leaves Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentrations (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 28	30-Aug-04	<0.01	---	---	---	---
Plot 28	12-Jun-09	0.002	---	---	---	---
Plot 28	5-Jun-13	<0.010	0.003	0.02	0.20	0.22
Plot 28	30-May-14	0.01	---	---	---	---
Plot 28	3-Jun-15	<0.010	0.001	0.34	0.08	0.42
Plot 70	26-Aug-03	<0.02	---	---	0.48	---
Plot 70	30-Aug-04	<0.01	---	---	1.72	---
Plot 70	31-Aug-05	0.02	0.004	0.04	0.14	0.18
Plot 70	17-May-06	<0.01	0.003	0.01	0.61	0.62
Plot 70	5-Jun-07	<0.01	0.01	0.04	0.53	0.57
Plot 70	14-May-08	<0.01	0.004	0.01	0.28	0.29
Plot 70	1-Jun-08	---	0.004	0.02	0.29	0.31
Plot 70a	12-Jun-09	0.002	0.004	0.01	0.48	0.49
Plot 70a	19-Jul-09	<0.0010	0.003	ND	0.86	0.86
Plot 70	25-May-10	<0.0020	0.006	0.02	0.70	0.72
Plot 70	31-May-11	<0.010	0.003	0.01	0.13	0.14
Plot 70	1-Jun-12	<0.010	0.006	0.32	2.54	2.86
Plot 70	5-Jun-13	<0.010	0.002	ND	0.22	0.22
Plot 70	31-May-14	<0.010	0.0002	0.16	0.30	0.46
Plot 70	4-Jun-15	<0.010	0.0003	0.11	0.10	0.21
Plot 70	2-Jun-16	---	0.0001	0.01	0.13	0.14
Plot 70	1-Jun-17	---	0.0001	0.02	0.35	0.38
Plot 70	31-May-18	---	0.0003	0.01	0.27	0.28
Plot 70	1-Jun-19	---	0.0001	0.01	0.16	0.17
Plot 70	2-Jun-20	---	0.0002	0.03	0.51	0.54
Plot 70	8-Jun-21	---	0.0003	0.07	0.51	0.58
Plot 70	7-Jun-22	---	0.0004	0.10	0.57	0.68
Plot 70	19-Jun-23	---	0.0016	0.42	6.26	6.68
Plot 70	30-May-24	---	0.0003	0.21	0.71	0.92
Plot 71	26-Aug-03	<0.02	---	---	ND	---
Plot 71	2-Sep-04	<0.01	---	---	2.13	---
Plot 71	31-Aug-05	<0.02	0.01	0.05	0.15	0.20
Plot 71	16-May-06	<0.01	0.003	ND	0.50	0.50
Plot 71	5-Jun-07	<0.01	0.03	0.03	0.30	0.33
Plot 71	14-May-08	<0.01	0.01	0.02	1.14	1.16
Plot 71	1-Jun-08	---	0.01	0.07	1.56	1.63
Plot 71	12-Jun-09	<0.0010	0.001	ND	0.16	0.16
Plot 71	17-Jul-09	<0.0010	0.03	0.01	0.66	0.67
Plot 71	25-May-10	<0.0020	0.003	0.01	0.63	0.64
Plot 71	31-May-11	<0.010	0.001	ND	0.16	0.16
Plot 71	1-Jun-12	<0.010	0.0002	ND	0.94	0.94
Plot 71	5-Jun-13	<0.010	0.0022	ND	0.20	0.20
Plot 71	31-May-14	<0.010	0.0002	0.11	0.53	0.64
Plot 71	4-Jun-15	<0.010	0.0001	0.10	0.09	0.19
Plot 71	2-Jun-16	---	0.00009	0.04	0.51	0.55
Plot 71	1-Jun-17	---	0.0002	0.02	0.38	0.40
Plot 71	31-May-18	---	0.0003	0.02	0.38	0.40
Plot 71	1-Jun-19	---	0.0002	0.08	1.14	1.22
Plot 71	4-Jun-20	---	0.00007	0.01	0.11	0.12
Plot 71	8-Jun-21	---	0.00144	0.29	0.67	0.96
Plot 71	6-Jun-22	---	0.00044	0.10	0.78	0.89
Plot 71	19-Jun-23	---	0.00131	0.26	8.81	9.07
Plot 71	30-May-24	---	0.00022	0.20	0.71	0.91

TABLE 12

Historical Labrador Tea Leaves Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentrations (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 109	26-Aug-03	0.10	---	---	0.73	---
Plot 109	2-Sep-04	0.15	---	---	1.47	---
Plot 109	31-Aug-05	0.06	0.03	4.83	0.48	5.31
Plot 109	16-May-06	0.09	0.08	9.45	1.30	10.75
Plot 109	5-Jun-07	0.10	0.13	10.29	0.43	10.72
Plot 109	14-May-08	0.12	0.15	11.06	2.53	13.59
Plot 109	1-Jun-08	---	0.15	12.45	3.00	15.45
Plot 109	12-Jun-09	0.03	0.05	4.84	0.55	5.39
Plot 109	18-Jul-09	0.25	0.42	12.49	0.80	13.29
Plot 109	26-May-10	0.43	0.41	30.51	1.48	31.99
Plot 109	31-May-11	0.05	0.24	18.70	1.35	20.05
Plot 109	1-Jun-12	0.05	0.17	0.95	0.55	1.50
Plot 109	5-Jun-13	0.23	0.21	23.80	3.83	27.63
Plot 109	31-May-14	0.10	0.10	11.50	1.09	12.59
Plot 109	4-Jun-15	0.09	0.11	13.30	1.63	14.93
Plot 109	31-May-16	---	0.05	5.97	0.79	6.76
Plot 109	31-May-17	---	0.07	7.47	0.92	8.39
Plot 109	30-May-18	---	0.03	3.31	1.15	4.46
Plot 109	30-May-19	---	0.03	3.24	0.69	3.93
Plot 109	3-Jun-20	---	0.02	2.68	0.18	2.86
Plot 109	8-Jun-21	---	0.02	2.15	1.06	3.21
Plot 109	7-Jun-22	---	0.02	1.67	0.59	2.26
Plot 109	20-Jun-23	---	0.04	4.44	3.88	8.32
Plot 109	29-May-24	---	0.01	1.26	0.62	1.88
Plot 110	26-Aug-03	<0.02	---	---	0.36	0.36
Plot 110	31-Aug-04	0.01	---	---	0.89	0.89
Plot 110	31-Aug-05	<0.02	0.005	0.06	0.14	0.20
Plot 110	16-May-06	0.01	0.008	0.11	0.15	0.26
Plot 110	5-Jun-07	<0.01	0.04	0.20	0.51	0.71
Plot 110	14-May-08	<0.01	0.01	0.91	0.42	1.33
Plot 110	1-Jun-08	---	0.01	1.04	0.41	1.45
Plot 110	12-Jun-09	0.01	0.008	0.40	0.17	0.57
Plot 110	18-Jul-09	0.01	0.02	0.04	0.61	0.65
Plot 110	26-May-10	0.01	0.02	0.06	0.45	0.51
Plot 110	31-May-11	<0.010	0.02	3.90	0.14	4.04
Plot 110	1-Jun-12	<0.010	0.002	0.04	0.28	0.32
Plot 110	4-Jun-13	0.01	0.01	0.06	0.40	0.46
Plot 110	30-May-14	0.01	0.007	0.82	0.77	1.59
Plot 110	4-Jun-15	<0.010	0.006	0.87	0.14	1.01
Plot 110	31-May-16	---	0.003	0.32	0.87	1.19
Plot 110	31-May-17	---	0.003	0.39	0.89	1.28
Plot 110	30-May-18	---	0.003	0.55	0.71	1.26
Plot 110	30-May-19	---	0.002	0.09	0.90	1.00
Plot 110	3-Jun-20	---	0.002	0.20	0.11	0.31
Plot 110	8-Jun-21	---	0.002	0.11	1.82	1.93
Plot 110	7-Jun-22	---	0.002	0.14	0.63	0.77
Plot 110	20-Jun-23	---	0.003	0.30	2.34	2.64
Plot 110	29-May-24	---	0.001	0.16	0.49	0.65

TABLE 12

Historical Labrador Tea Leaves Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentrations (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 114	26-Aug-03	0.07	---	---	0.56	0.56
Plot 114	31-Aug-04	0.06	---	---	0.99	0.99
Plot 114	30-Aug-05	0.06	0.02	4.44	0.14	4.58
Plot 114	15-May-06	0.05	0.06	8.13	0.79	8.92
Plot 114	4-Jun-07	0.03	0.10	10.44	1.80	12.24
Plot 114	14-May-08	0.11	0.08	7.35	0.99	8.34
Plot 114	1-Jun-08	---	0.08	8.23	1.18	9.41
Plot 114	12-Jun-09	0.05	0.07	6.51	0.33	6.84
Plot 114	18-Jul-09	0.04	0.07	3.62	1.28	4.90
Plot 114	26-May-10	0.10	0.21	18.80	4.26	23.06
Plot 114	31-May-11	0.06	0.12	10.20	0.39	10.59
Plot 114	1-Jun-12	0.05	0.05	0.34	0.53	0.87
Plot 114	4-Jun-13	0.04	0.05	6.49	0.69	7.18
Plot 114	31-May-14	0.02	0.04	4.71	1.09	5.80
Plot 114	4-Jun-15	0.04	0.04	5.12	0.50	5.62
Plot 114	1-Jun-16	---	0.021	2.41	0.33	2.74
Plot 114	31-May-17	---	0.017	2.13	1.85	3.98
Plot 114	30-May-18	---	0.013	1.66	0.31	1.97
Plot 114	31-May-19	---	0.010	1.37	0.97	2.34
Plot 114	3-Jun-20	---	0.010	1.17	0.17	1.34
Plot 114	8-Jun-21	---	0.012	1.49	1.96	3.45
Plot 114	7-Jun-22	---	0.008	0.64	0.38	1.01
Plot 114	20-Jun-23	---	0.020	1.11	4.65	5.76
Plot 114	30-May-24	---	0.009	1.49	0.54	2.03
Plot 117	26-Aug-03	0.03	---	---	0.21	0.21
Plot 117	31-Aug-04	<0.01	---	---	0.44	0.44
Plot 117	30-Aug-05	0.02	0.007	0.08	0.33	0.41
Plot 117	15-May-06	0.01	0.01	0.18	0.49	0.67
Plot 117	4-Jun-07	0.01	0.04	0.27	0.37	0.64
Plot 117	14-May-08	0.02	0.02	1.61	0.21	1.82
Plot 117	1-Jun-08	---	0.02	1.83	0.20	2.03
Plot 117	12-Jun-09	0.01	0.01	1.22	0.18	1.40
Plot 117	18-Jul-09	<0.0010	0.01	0.03	0.78	0.81
Plot 117	26-May-10	0.02	0.04	2.95	0.47	3.42
Plot 117	31-May-11	<0.010	0.02	2.41	0.11	2.52
Plot 117	1-Jun-12	<0.010	0.005	0.06	0.82	0.88
Plot 117	4-Jun-13	<0.010	0.01	0.06	0.41	0.47
Plot 117	31-May-14	<0.010	0.006	0.36	0.22	0.58
Plot 117	4-Jun-15	<0.010	0.005	0.68	0.17	0.85
Plot 117	1-Jun-16	---	0.007	0.68	0.22	0.89
Plot 117	31-May-17	---	0.005	0.70	0.75	1.45
Plot 117	30-May-18	---	0.003	0.52	1.57	2.09
Plot 117	31-May-19	---	0.002	0.44	0.89	1.33
Plot 117	3-Jun-20	---	0.003	0.33	0.19	0.52
Plot 117	8-Jun-21	---	0.003	0.27	0.81	1.08
Plot 117	7-Jun-22	---	0.003	0.14	0.65	0.78
Plot 117	20-Jun-23	---	0.008	0.87	9.45	10.32
Plot 117	30-May-24	---	0.002	0.19	0.61	0.80

TABLE 12

Historical Labrador Tea Leaves Quality Results - Organic Parameters

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Total Aroclors mg/kg	PCB Concentrations (Congeners) mg/kg	PCB TEQ ng TEQ/kg[1]	PCDD/PCDF TEQ ng TEQ/kg[1]	Total TEQ ng TEQ/kg[1]
Plot 123	26-Aug-03	<0.02	---	---	0.21	0.21
Plot 123	30-Aug-05	<0.02	0.004	0.04	0.17	0.21
Plot 123	16-May-06	<0.01	0.01	0.03	0.71	0.74
Plot 123	5-Jun-07	<0.01	0.02	0.08	0.29	0.37
Plot 123	14-May-08	0.01	0.01	0.20	1.13	1.33
Plot 123	1-Jun-08	---	0.01	0.27	1.62	1.89
Plot 123	12-Jun-09	0.002	0.005	0.01	0.37	0.38
Plot 123	18-Jul-09	<0.0010	0.01	0.02	0.86	0.88
Plot 123	26-May-10	0.006	0.01	0.55	0.43	0.98
Plot 123	31-May-11	<0.010	0.004	0.02	0.11	0.13
Plot 123	1-Jun-12	<0.010	0.001	0.01	0.92	0.93
Plot 123	4-Jun-13	<0.010	0.003	0.01	0.28	0.29
Plot 123	30-May-14	<0.010	0.002	0.22	0.49	0.71
Plot 123	3-Jun-15	<0.010	0.001	0.23	0.07	0.31
Plot 123	30-May-16	---	0.002	0.07	0.82	0.90
Plot 123	31-May-17	---	0.001	0.17	0.56	0.73
Plot 123	31-May-18	---	0.0008	0.22	2.24	2.46
Plot 123	30-May-19	---	0.0006	0.06	1.30	1.36
Plot 123	2-Jun-20	---	0.0008	0.06	0.23	0.29
Plot 123	7-Jun-21	---	0.0006	0.02	1.39	1.41
Plot 123	6-Jun-22	---	0.0009	0.07	0.53	0.60
Plot 123	19-Jun-23	---	0.0018	0.21	6.57	6.78
Plot 123	28-May-24	---	0.0008	0.25	0.86	1.12
Plot 402	26-Aug-03	<0.02	---	---	0.21	0.21
Plot 402	1-Sep-04	<0.01	---	---	0.86	0.86
Plot 402	30-Aug-05	0.05	0.0008	0.01	0.14	0.15
Plot 402	16-May-06	<0.01	0.003	0.01	0.28	0.29
Plot 402	5-Jun-07	<0.01	0.02	0.10	0.25	0.35
Plot 402	14-May-08	<0.01	0.01	0.01	0.19	0.20
Plot 402	1-Jun-08	---	0.01	0.02	0.18	0.20
Plot 402	12-Jun-09	0.001	0.003	0.01	0.17	0.18
Plot 402	17-Jul-09	<0.0010	0.01	0.01	0.66	0.67
Plot 402	25-May-10	<0.0020	0.004	0.01	0.19	0.20
Plot 402	31-May-11	<0.010	0.001	0.01	0.12	0.13
Plot 402	1-Jun-12	<0.010	<0.00001	ND	1.11	1.11
Plot 402	4-Jun-13	<0.010	0.003	0.01	0.49	0.50
Plot 402	30-May-14	<0.010	0.001	0.43	0.12	0.55
Plot 402	4-Jun-15	<0.010	0.001	0.16	0.15	0.31
Plot 402	30-May-16	---	0.0005	0.04	0.76	0.80
Plot 402	31-May-17	---	0.0004	0.07	1.51	1.58
Plot 402	29-May-18	---	0.0004	0.30	0.24	0.55
Plot 402	30-May-19	---	0.0003	0.07	1.17	1.24
Plot 402	2-Jun-20	---	0.0003	0.04	0.37	0.41
Plot 402	7-Jun-21	---	0.0006	0.02	2.14	2.16
Plot 402	6-Jun-22	---	0.0006	0.11	0.64	0.75
Plot 402	20-Jun-23	---	0.0007	0.33	4.29	4.62
Plot 402	27-May-24	---	0.0006	0.20	0.91	1.11

Notes:

ND - results reported as zero in lab report

[1] - midpoint estimate used for TEQ

TABLE 13

Soil Quality Results - Polychlorinated Biphenyls (A-PCBs)

Veolia

W ½ 06-067-08 W5M

Sample Point	Start Depth m	End Depth m	Sample Date	MSI Sample Number	Aroclor 1016 mg/kg	Aroclor 1221 mg/kg	Aroclor 1232 mg/kg	Aroclor 1242 mg/kg	Aroclor 1248 mg/kg	Aroclor 1254 mg/kg	Aroclor 1260 mg/kg	Aroclor 1262 mg/kg	Aroclor 1268 mg/kg	Total PCBs mg/kg
Plot 4	Organic	Organic	29-May-24	15867240529213	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025	<0.025
Plot 4	0.00	0.05	29-May-24	15867240529214	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Plot 4	0.05	0.15	29-May-24	15867240529215	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 11	Organic	Organic	28-May-24	15867240528207	<0.033	<0.033	<0.033	<0.033	<0.033	<0.033	0.119	<0.033	<0.033	0.119
Plot 11	0.00	0.05	28-May-24	15867240528208	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017
Plot 11	0.05	0.15	28-May-24	15867240528209	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Plot 70	Organic	Organic	30-May-24	15867240530231	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021	<0.021
Plot 70	0.00	0.05	30-May-24	15867240530233	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 70	0.05	0.15	30-May-24	15867240530235	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 71	Organic	Organic	30-May-24	15867240530228	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026	<0.026
Plot 71	0.00	0.05	30-May-24	15867240530229	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 71	0.05	0.15	30-May-24	15867240530230	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 109	Organic	Organic	29-May-24	15867240529216	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Plot 109*	Organic	Organic	29-May-24	15867240529217	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Plot 109	0.00	0.05	29-May-24	15867240529218	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 109*	0.00	0.05	29-May-24	15867240529219	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 109	0.05	0.15	29-May-24	15867240529220	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Plot 109*	0.05	0.15	29-May-24	15867240529221	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 110	Organic	Organic	29-May-24	15867240529210	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
Plot 110	0.00	0.05	29-May-24	15867240529211	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022
Plot 110	0.05	0.15	29-May-24	15867240529212	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 114	Organic	Organic	30-May-24	15867240530225	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016	<0.016
Plot 114	0.00	0.10	30-May-24	15867240530226	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 114	0.10	0.15	30-May-24	15867240530227	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 117	Organic	Organic	30-May-24	15867240530222	<0.027	<0.027	<0.027	<0.027	<0.027	<0.027	0.051	<0.027	<0.027	0.051
Plot 117	0.00	0.05	30-May-24	15867240530223	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 117	0.05	0.15	30-May-24	15867240530224	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 123	Organic	Organic	28-May-24	15867240528204	<0.017	<0.017	<0.017	<0.017	<0.017	<0.017	0.018	<0.017	<0.017	0.018
Plot 123	0.00	0.05	28-May-24	15867240528205	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 123	0.05	0.15	28-May-24	15867240528206	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 402	Organic	Organic	27-May-24	15867240527201	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058	<0.058
Plot 402	0.00	0.05	27-May-24	15867240527202	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Plot 402	0.05	0.15	27-May-24	15867240527203	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
ABT1 - Natural Area					**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**NS**	**1.3[EL,EW]**

Notes:

--- - not analyzed

* - duplicate sample

NS - not specified

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

Italics - indicates values do not meet applicable guidelines

TABLE 14

Soil Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 4	Plot 4	Plot 4	Plot 11	Plot 11	Plot 11	Plot 70	Plot 70	Plot 70	Plot 71	Plot 71	Plot 71	Plot 109	Plot 109*	Alberta Tier 1 - Soils
Start Depth	m	Organic	0	0.05	Organic	0	0.05	Organic	0	0.05	Organic	0	0.05	Organic	Organic	
End Depth	m	Organic	0.05	0.15	Organic	0.05	0.15	Organic	0.05	0.15	Organic	0.05	0.15	Organic	Organic	Natural Area
Sample Date		29-May-24	29-May-24	29-May-24	28-May-24	28-May-24	28-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	29-May-24	29-May-24	
MSI Sample Number	Unit	15867240529213	15867240529214	15867240529215	15867240528207	15867240528208	15867240528209	15867240530231	15867240530233	15867240530235	15867240530228	15867240530229	15867240530230	15867240529216	15867240529217	
PCB Congeners																
PCB 1	ng/g	<0.0097	<0.025	<0.025	0.0208	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 3	ng/g	<0.0097	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 4 + 10	ng/g	0.0361	<0.025	<0.025	0.0438	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 5 + 8	ng/g	0.176	<0.025	<0.025	0.197	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0135	NS
PCB 6	ng/g	0.0333	<0.025	<0.025	0.0329	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 7 + 9	ng/g	0.0168	<0.025	<0.025	0.0147	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 11	ng/g	<0.0097	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 12 + 13	ng/g	0.0173	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 15	ng/g	0.26	<0.025	<0.025	0.0981	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0318	NS
PCB 16 + 32	ng/g	0.108	<0.025	<0.025	0.0825	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0145	NS
PCB 17	ng/g	0.0593	<0.025	<0.025	0.0448	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0149	NS
PCB 18	ng/g	0.171	<0.025	<0.025	0.12	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0121	NS
PCB 19	ng/g	0.0151	<0.025	<0.025	0.0114	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 20 + 21 + 33	ng/g	0.224	<0.025	<0.025	0.166	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0171	NS
PCB 22	ng/g	0.159	<0.025	<0.025	0.0704	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.031	NS
PCB 24 + 27	ng/g	0.0145	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 25	ng/g	0.0456	<0.025	<0.025	0.0225	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 26	ng/g	0.0554	<0.025	<0.025	0.031	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 28 + 31	ng/g	1.26	<0.025	<0.025	0.604	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0535	0.348	NS
PCB 37	ng/g	0.519	<0.025	<0.025	0.15	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0712	NS
PCB 40	ng/g	0.0481	<0.025	<0.025	0.0192	<0.025	<0.025	0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 41 + 64 + 68 + 71	ng/g	0.302	<0.025	<0.025	0.144	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0163	0.0643	NS
PCB 42 + 59	ng/g	0.0904	<0.025	<0.025	0.0337	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0181	NS
PCB 43 + 49	ng/g	0.305	<0.025	<0.025	0.135	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0151	0.0972	NS
PCB 44	ng/g	0.213	<0.025	<0.025	0.0838	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0237	NS
PCB 45	ng/g	0.0221	<0.025	<0.025	0.0115	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 46	ng/g	0.0098	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 47 + 48 + 75	ng/g	0.207	<0.025	<0.025	0.098	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0606	NS
PCB 52 + 73	ng/g	0.41	<0.025	<0.025	0.144	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0164	0.0634	NS
PCB 53	ng/g	0.0239	<0.025	<0.025	0.0117	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 56 + 60	ng/g	0.822	<0.025	<0.025	0.334	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0214	0.0994	NS
PCB 57	ng/g	<0.0097	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 61 + 74	ng/g	0.805	<0.025	<0.025	0.335	<0.025	<0.025	0.0112	<0.025	<0.025	<0.0097	<0.025	<0.025	0.024	0.131	NS
PCB 63	ng/g	0.048	<0.025	<0.025	0.0208	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 66 + 80	ng/g	1.44	<0.025	0.029	0.618	<0.025	<0.025	0.0217	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0348	0.183	NS
PCB 70 + 76	ng/g	2.2	<0.025	0.053	0.767	<0.025	<0.025	0.0136	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0555	0.296	NS
PCB 77	ng/g	0.616	<0.025	<0.025	0.223	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0475	NS
PCB 81	ng/g	0.0581	<0.025	<0.025	<0.0500	<0.025	<0.025	<0.0500	<0.025	<0.025	<0.0500	<0.025	<0.025	<0.0500	<0.0500	NS
PCB 82	ng/g	0.389	<0.025	<0.025	0.12	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0435	NS
PCB 83 + 108	ng/g	0.16	<0.025	<0.025	0.0652	<0.025	<0.025	<0.0099	<0.025	<0.025	0.0127	<0.025	<0.025	<0.0099	0.0163	NS
PCB 84 + 89 + 90 + 101	ng/g	4.2	0.034	0.107	1.77	<0.025	<0.025	0.0329	<0.025	<0.025	0.0145	<0.025	<0.025	0.113	0.632	NS
PCB 85 + 120	ng/g	1.04	<0.025	<0.025	0.454	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0202	0.11	NS
PCB 86 + 87 + 111 + 115 + 116 + 117	ng/g	1.76	<0.025	0.048	0.782	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0398	0.202	NS
PCB 91	ng/g	0.233	<0.025	<0.025	0.109	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0418	NS
PCB 92	ng/g	0.655	<0.025	<0.025	0.272	<0.025	<0.025	<0.0099	<0.025	<0.025	0.0203	<0.025	<0.025	0.0177	0.106	NS
PCB 93 + 95	ng/g	1.04	<0.025	0.035	0.356	<0.025	<0.025	0.0112	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0367	0.179	NS
PCB 97	ng/g	0.569	<0.025	<0.025	0.148	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0461	NS
PCB 99	ng/g	1.92	<0.025	0.04	0.844	<0.025	<0.025	0.0207	<0.025	<0.025	0.01	<0.025	<0.025	0.0493	0.269	NS
PCB 105 + 127	ng/g	4.05	<0.025	0.093	1.45	<0.025	<0.025	0.0206	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0596	0.314	NS
PCB 106 + 118	ng/g	7.36	0.042	0.186	2.7	<0.025	<0.025	0.047	<0.025	<0.025	0.0176	<0.025	<0.025	0.124	0.647	NS
PCB 107 + 109	ng/g	0.676	<0.025	<0.025	0.239	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.011	0.0606	NS
PCB 110	ng/g	3.78	<0.025	0.105	1.24	<0.025	<0.025	0.027	<0.025	<0.025	0.0136	<0.025	<0.025	0.079	0.402	NS
PCB 114	ng/g	0.33	<0.025	<0.025	0.12	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0311	NS
PCB 123	ng/g	<0.0097	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 126	ng/g	0.397	<0.025	<0.025	0.125	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.031	NS
PCB 128 + 167	ng/g	3.36	<0.025	0.073	1.22	<0.025	<0.025	0.0192	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0507	0.264	NS
PCB 129	ng/g	0.552	<0.025	<0.025	0.193	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0521	NS
PCB 131 + 142 + 146 + 165	ng/g	2.07	<0.025	0.034	1.09	<0.025	<0.025	0.0104	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0408	0.206	NS
PCB 132 + 168	ng/g	2.42	<0.025	0.06	0.771	<0.025	<0.025	0.0106	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0438	0.27	NS
PCB 135 + 144	ng/g	1.49	<0.025	0.032	0.61	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.033	0.198	NS
PCB 136	ng/g	<0.0097	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 137	ng/g	0.583	<0.025	<0.025	0.224	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0101	0.0535	NS
PCB 138 + 163 + 164	ng/g	16.4	0.101	0.354	5.91	0.046	0.046	0.097	<0.025	<0.025	0.0451	<0.025	<0.025	0.281	1.54	NS
PCB 139 + 149	ng/g	6.56	0.046	0.142	2.86	<0.025	<0.025	0.0467	<0.025	<0.025	0.0259	<0.025	<0.025	0.146	0.823	NS
PCB 141	ng/g	2.7	<0.025	0.061	1.02	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0503	0.281	NS

TABLE 14

Soil Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 4	Plot 4	Plot 4	Plot 11	Plot 11	Plot 11	Plot 70	Plot 70	Plot 70	Plot 71	Plot 71	Plot 71	Plot 109	Plot 109*	Alberta Tier 1 - Soils
Start Depth	m	Organic	0	0.05	Organic	0	0.05	Organic	0	0.05	Organic	0	0.05	Organic	Organic	
End Depth	m	Organic	0.05	0.15	Organic	0.05	0.15	Organic	0.05	0.15	Organic	0.05	0.15	Organic	Organic	Natural Area
Sample Date		29-May-24	29-May-24	29-May-24	28-May-24	28-May-24	28-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	29-May-24	29-May-24	
MSI Sample Number	Unit	15867240529213	15867240529214	15867240529215	15867240528207	15867240528208	15867240528209	15867240530231	15867240530233	15867240530235	15867240530228	15867240530229	15867240530230	15867240529216	15867240529217	
PCB Congeners																
PCB 151	ng/g	1.54	<0.025	0.037	0.511	<0.025	<0.025	0.0111	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0403	0.239	NS
PCB 153	ng/g	13.4	0.091	0.285	5.34	0.04	0.04	0.085	<0.025	<0.025	0.0422	<0.025	<0.025	0.257	1.34	NS
PCB 156	ng/g	1.91	<0.025	0.04	0.627	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0251	0.14	NS
PCB 157	ng/g	0.424	<0.025	<0.025	0.142	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0294	NS
PCB 158 + 160	ng/g	1.24	<0.025	0.041	0.725	<0.025	<0.025	0.0102	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0236	0.128	NS
PCB 159	ng/g	<0.0097	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 169	ng/g	0.011	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 170 + 190	ng/g	8.02	0.043	0.178	2.65	<0.025	<0.025	0.032	<0.025	<0.025	<0.0097	<0.025	<0.025	0.132	0.525	NS
PCB 171	ng/g	1.58	<0.025	0.026	0.461	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0245	0.126	NS
PCB 172 + 192	ng/g	1.18	<0.025	<0.025	0.344	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0184	0.0829	NS
PCB 174 + 181	ng/g	5.64	0.03	0.104	1.84	<0.025	<0.025	0.0206	<0.025	<0.025	0.0134	<0.025	<0.025	0.101	0.504	NS
PCB 177	ng/g	3.5	<0.025	0.058	1.04	<0.025	<0.025	0.0113	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0528	0.286	NS
PCB 180	ng/g	16.2	0.091	0.312	5.14	0.053	0.056	0.056	<0.025	<0.025	0.0351	<0.025	<0.025	0.254	1.29	NS
PCB 182 + 187	ng/g	7.07	0.038	0.118	2.16	<0.025	<0.025	0.0341	<0.025	<0.025	0.0194	<0.025	<0.025	0.123	0.613	NS
PCB 183	ng/g	3.25	<0.025	0.055	0.966	<0.025	<0.025	0.0134	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0548	0.282	NS
PCB 185	ng/g	0.642	<0.025	<0.025	0.193	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0554	NS
PCB 189	ng/g	0.347	<0.025	<0.025	0.0866	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0187	NS
PCB 191	ng/g	0.331	<0.025	<0.025	0.111	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0377	NS
PCB 193	ng/g	0.591	<0.025	0.025	0.361	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0211	0.0902	NS
PCB 194	ng/g	3.73	0.029	0.143	1.06	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0653	0.265	NS
PCB 195	ng/g	1.3	<0.025	<0.025	0.615	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0196	0.0977	NS
PCB 196 + 203	ng/g	3.74	0.027	0.065	1.05	<0.025	<0.025	0.0165	<0.025	<0.025	0.0099	<0.025	<0.025	0.069	0.311	NS
PCB 199	ng/g	3.24	<0.025	0.056	0.916	<0.025	<0.025	0.0133	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0603	0.261	NS
PCB 202	ng/g	0.431	<0.025	<0.025	0.122	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0441	NS
PCB 205	ng/g	0.179	<0.025	<0.025	0.0846	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0119	NS
PCB 206	ng/g	0.654	<0.025	<0.025	0.188	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	0.0137	0.0556	NS
PCB 207	ng/g	0.0755	<0.025	<0.025	0.0265	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
PCB 208	ng/g	0.0967	<0.025	<0.025	0.0254	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	0.0108	NS
PCB 209	ng/g	0.06	<0.025	<0.025	0.032	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
Total MonoCB	ng/g	<0.014	<0.040	<0.040	0.021	<0.040	<0.040	<0.014	<0.040	<0.040	<0.014	<0.040	<0.040	<0.014	<0.014	NS
Total DiCB	ng/g	0.54	<0.07	<0.07	0.386	<0.07	<0.07	<0.026	<0.07	<0.07	<0.026	<0.07	<0.07	<0.026	0.045	NS
Total TriCB	ng/g	2.63	<0.100	<0.100	1.3	<0.100	<0.100	<0.033	<0.100	<0.100	<0.032	<0.100	<0.100	0.054	0.509	NS
Total TetraCB	ng/g	7.62	<0.11	<0.11	2.98	<0.11	<0.11	<0.064	<0.11	<0.11	<0.064	<0.11	<0.11	0.184	1.08	NS
Total PentaCB	ng/g	28.6	<0.10	0.61	10.8	<0.10	<0.10	0.159	<0.10	<0.10	0.089	<0.10	<0.10	0.55	3.13	NS
Total HexaCB	ng/g	54.7	0.24	1.16	21.2	<0.10	<0.10	0.29	<0.10	<0.10	0.113	<0.10	<0.10	1	5.56	NS
Total HeptaCB	ng/g	48.4	0.2	0.88	15.4	<0.10	<0.10	0.167	<0.10	<0.10	0.068	<0.10	<0.10	0.782	3.91	NS
Total OctaCB	ng/g	12.9	<0.07	0.26	3.93	<0.07	<0.07	0.03	<0.07	<0.07	<0.026	<0.07	<0.07	0.214	1.02	NS
Total NonaCB	ng/g	0.826	<0.04	<0.04	0.24	<0.04	<0.04	<0.017	<0.04	<0.04	<0.017	<0.04	<0.04	<0.017	0.066	NS
Total DecaCB	ng/g	0.06	<0.025	<0.025	0.032	<0.025	<0.025	<0.0099	<0.025	<0.025	<0.0097	<0.025	<0.025	<0.0099	<0.0099	NS
Total PCB Congeners	ng/g	156	0.44	2.91	56.3	<0.26	<0.26	0.646	<0.26	<0.26	0.27	<0.26	<0.26	2.78	15.3	$1300^{EL,EW}$
Total PCB Congeners	mg/kg	0.156	0.00044	0.00291	0.0563	<0.00026	<0.00026	0.000646	<0.00026	<0.00026	0.00027	<0.00026	<0.00026	0.00278	0.0153	$1.3^{EL,EW}$

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

TABLE 14

Soil Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109*	Plot 109	Plot 109*	Plot 110	Plot 110	Plot 110	Plot 114	Plot 114	Plot 114	Plot 117	Plot 117	Plot 117	Plot 123	Alberta Tier 1 - Soils
Start Depth	m	0	0	0.05	0.05	Organic	0	0.05	Organic	0	0.1	Organic	0	0.05	Organic	
End Depth	m	0.05	0.05	0.15	0.15	Organic	0.05	0.15	Organic	0.1	0.15	Organic	0.05	0.15	Organic	Natural Area
Sample Date		29-May-24	29-May-24	29-May-24	29-May-24	29-May-24	29-May-24	29-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	28-May-24	
MSI Sample Number	Unit	15867240529218	15867240529219	15867240529220	15867240529221	15867240529210	15867240529211	15867240529212	15867240530225	15867240530226	15867240530227	15867240530222	15867240530223	15867240530224	15867240528204	
PCB Congeners																
PCB 1	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0134	<0.025	<0.025	<0.0099	NS
PCB 3	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 4 + 10	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0283	<0.025	<0.025	<0.0099	NS
PCB 5 + 8	ng/g	<0.025	<0.025	0.025	<0.025	0.0261	<0.025	<0.025	0.047	<0.025	<0.025	0.116	<0.025	<0.025	0.0144	NS
PCB 6	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0234	<0.025	<0.025	<0.0099	NS
PCB 7 + 9	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0119	<0.025	<0.025	<0.0099	NS
PCB 11	ng/g	<0.025	<0.025	0.032	<0.025	<0.0098	<0.025	<0.025	0.026	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 12 + 13	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 15	ng/g	<0.025	<0.025	<0.025	<0.025	0.0252	<0.025	<0.025	0.093	<0.025	<0.025	0.1	<0.025	<0.025	0.0207	NS
PCB 16 + 32	ng/g	<0.025	<0.025	<0.025	<0.025	0.0186	<0.025	<0.025	0.047	<0.025	<0.025	0.084	<0.025	<0.025	0.0159	NS
PCB 17	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0456	<0.025	<0.025	<0.0099	NS
PCB 18	ng/g	<0.025	<0.025	0.044	<0.025	0.0247	<0.025	<0.025	0.033	<0.025	<0.025	0.13	<0.025	<0.025	0.0109	NS
PCB 19	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0131	<0.025	<0.025	<0.0099	NS
PCB 20 + 21 + 33	ng/g	<0.025	<0.025	0.044	<0.025	<0.0098	<0.025	<0.025	0.431	<0.025	<0.025	0.274	<0.025	<0.025	<0.0099	NS
PCB 22	ng/g	<0.025	<0.025	<0.025	<0.025	0.0245	<0.025	<0.025	0.156	<0.025	<0.025	0.0799	<0.025	<0.025	0.0161	NS
PCB 24 + 27	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	0.036	<0.025	<0.025	0.0113	<0.025	<0.025	<0.0099	NS
PCB 25	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0221	<0.025	<0.025	<0.0099	NS
PCB 26	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0304	<0.025	<0.025	0.0216	NS
PCB 28 + 31	ng/g	<0.025	<0.025	0.084	<0.025	0.154	<0.025	<0.025	0.25	<0.025	<0.025	0.43	<0.025	<0.025	0.0884	NS
PCB 37	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.23	<0.025	<0.025	<0.0099	NS
PCB 40	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0202	<0.025	<0.025	<0.0099	NS
PCB 41 + 64 + 68 + 71	ng/g	<0.025	<0.025	<0.025	<0.025	0.0574	<0.025	<0.025	0.054	<0.025	<0.025	0.13	<0.025	<0.025	0.0186	NS
PCB 42 + 59	ng/g	<0.025	<0.025	<0.025	<0.025	0.0121	<0.025	<0.025	0.026	<0.025	<0.025	0.0434	<0.025	<0.025	<0.0099	NS
PCB 43 + 49	ng/g	<0.025	<0.025	0.027	<0.025	0.049	<0.025	<0.025	0.062	<0.025	<0.025	0.0953	<0.025	<0.025	0.0144	NS
PCB 44	ng/g	<0.025	<0.025	0.027	<0.025	0.0268	<0.025	<0.025	0.035	<0.025	<0.025	0.0926	<0.025	<0.025	<0.0099	NS
PCB 45	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0159	<0.025	<0.025	<0.0099	NS
PCB 46	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 47 + 48 + 75	ng/g	<0.025	<0.025	<0.025	<0.025	0.0275	<0.025	<0.025	0.032	<0.025	<0.025	0.081	<0.025	<0.025	0.0126	NS
PCB 52 + 73	ng/g	<0.025	<0.025	0.035	<0.025	0.0471	<0.025	<0.025	0.072	<0.025	<0.025	0.154	<0.025	<0.025	0.0298	NS
PCB 53	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0138	<0.025	<0.025	<0.0099	NS
PCB 56 + 60	ng/g	<0.025	<0.025	<0.025	<0.025	0.108	<0.025	<0.025	0.119	0.092	<0.025	0.228	<0.025	<0.025	0.0387	NS
PCB 57	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 61 + 74	ng/g	<0.025	<0.025	<0.025	<0.025	0.104	<0.025	<0.025	0.112	0.075	<0.025	0.188	<0.025	<0.025	0.0284	NS
PCB 63	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	0.549	<0.025	0.013	0.085	<0.025	<0.0099	NS
PCB 66 + 80	ng/g	<0.025	<0.025	<0.025	<0.025	0.187	<0.025	<0.025	0.179	0.056	<0.025	0.403	<0.025	<0.025	0.0711	NS
PCB 70 + 76	ng/g	<0.025	<0.025	0.032	0.081	0.238	<0.025	<0.025	0.286	2.24	<0.025	0.562	0.281	<0.025	0.0776	NS
PCB 77	ng/g	<0.025	<0.025	<0.025	<0.025	0.0794	<0.025	<0.025	0.05	<0.025	<0.025	0.154	<0.025	<0.025	0.0265	NS
PCB 81	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0500	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0500	<0.025	<0.025	<0.0500	NS
PCB 82	ng/g	<0.025	<0.025	<0.025	<0.025	0.0405	<0.025	<0.025	0.128	<0.025	<0.025	0.0817	<0.025	<0.025	0.012	NS
PCB 83 + 108	ng/g	<0.025	<0.025	<0.025	<0.025	0.014	<0.025	<0.025	<0.025	<0.025	<0.025	0.0387	<0.025	<0.025	<0.0099	NS
PCB 84 + 89 + 90 + 101	ng/g	0.026	0.028	0.052	0.029	0.542	<0.025	<0.025	0.46	<0.025	<0.025	0.91	<0.025	<0.025	0.206	NS
PCB 85 + 120	ng/g	<0.025	<0.025	<0.025	<0.025	0.103	<0.025	<0.025	0.115	<0.025	<0.025	0.253	<0.025	<0.025	0.0402	NS
PCB 86 + 87 + 111 + 115 + 116 + 117	ng/g	<0.025	<0.025	<0.025	<0.025	0.197	<0.025	<0.025	0.193	<0.025	<0.025	0.381	<0.025	<0.025	0.0585	NS
PCB 91	ng/g	<0.025	<0.025	<0.025	<0.025	0.0352	<0.025	<0.025	0.03	<0.025	<0.025	0.0667	<0.025	<0.025	0.0122	NS
PCB 92	ng/g	<0.025	<0.025	<0.025	<0.025	0.0844	<0.025	<0.025	0.069	<0.025	<0.025	0.149	<0.025	<0.025	0.0388	NS
PCB 93 + 95	ng/g	<0.025	<0.025	0.025	<0.025	0.125	<0.025	<0.025	0.098	<0.025	<0.025	0.23	<0.025	<0.025	0.0508	NS
PCB 97	ng/g	<0.025	<0.025	<0.025	<0.025	0.0494	<0.025	<0.025	0.072	<0.025	<0.025	0.124	<0.025	<0.025	0.016	NS
PCB 99	ng/g	<0.025	<0.025	<0.025	<0.025	0.242	<0.025	<0.025	0.233	<0.025	<0.025	0.447	<0.025	<0.025	0.0509	NS
PCB 105 + 127	ng/g	<0.025	<0.025	<0.025	<0.025	0.39	<0.025	<0.025	0.345	<0.025	<0.025	0.945	0.028	<0.025	0.138	NS
PCB 106 + 118	ng/g	0.035	0.036	0.043	0.041	0.73	<0.025	<0.025	0.602	<0.025	<0.025	1.59	<0.025	<0.025	0.18	NS
PCB 107 + 109	ng/g	<0.025	<0.025	<0.025	<0.025	0.0678	<0.025	<0.025	0.103	<0.025	<0.025	0.157	<0.025	<0.025	0.0278	NS
PCB 110	ng/g	<0.025	<0.025	0.036	<0.025	0.414	<0.025	<0.025	0.399	<0.025	<0.025	0.931	<0.025	<0.025	0.204	NS
PCB 114	ng/g	<0.025	<0.025	<0.025	<0.025	0.0233	<0.025	<0.025	<0.025	<0.025	<0.025	0.0704	<0.025	<0.025	0.0108	NS
PCB 123	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 126	ng/g	<0.025	<0.025	<0.025	<0.025	0.0316	<0.025	<0.025	<0.025	<0.025	<0.025	0.0815	<0.025	<0.025	<0.0099	NS
PCB 128 + 167	ng/g	<0.025	<0.025	<0.025	<0.025	0.289	<0.025	<0.025	0.288	<0.025	<0.025	0.765	<0.025	<0.025	0.114	NS
PCB 129	ng/g	<0.025	<0.025	<0.025	<0.025	0.0443	<0.025	<0.025	0.043	<0.025	<0.025	0.125	<0.025	<0.025	0.0148	NS
PCB 131 + 142 + 146 + 165	ng/g	<0.025	<0.025	<0.025	<0.025	0.202	<0.025	<0.025	0.16	<0.025	<0.025	0.46	<0.025	<0.025	0.0885	NS
PCB 132 + 168	ng/g	<0.025	<0.025	<0.025	<0.025	0.202	<0.025	<0.025	0.227	<0.025	<0.025	0.566	<0.025	<0.025	0.0744	NS
PCB 135 + 144	ng/g	<0.025	<0.025	<0.025	<0.025	0.14	<0.025	<0.025	0.143	<0.025	<0.025	0.327	<0.025	<0.025	0.0676	NS
PCB 136	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 137	ng/g	<0.025	<0.025	<0.025	<0.025	0.0538	<0.025	<0.025	0.06	<0.025	<0.025	0.139	<0.025	<0.025	0.0243	NS
PCB 138 + 163 + 164	ng/g	0.081	0.077	0.07	0.069	1.48	0.04	<0.025	1.29	0.044	<0.025	3.53	<0.025	<0.025	0.349	NS
PCB 139 + 149	ng/g	0.042	0.04	0.043	0.035	0.661	<0.025	<0.025	0.632	<0.025	<0.025	1.35	<0.025	<0.025	0.288	NS
PCB 141	ng/g	<0.025	<0.025	<0.025	<0.025	0.227	<0.025	<0.025	0.211	<0.025	<0.025	0.587	<0.025	<0.025	0.087	NS

TABLE 14

Soil Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109*	Plot 109	Plot 109*	Plot 110	Plot 110	Plot 110	Plot 114	Plot 114	Plot 114	Plot 117	Plot 117	Plot 117	Plot 123	Alberta Tier 1 - Soils
Start Depth	m	0	0	0.05	0.05	Organic	0	0.05	Organic	0	0.1	Organic	0	0.05	Organic	
End Depth	m	0.05	0.05	0.15	0.15	Organic	0.05	0.15	Organic	0.1	0.15	Organic	0.05	0.15	Organic	Natural Area
Sample Date		29-May-24	29-May-24	29-May-24	29-May-24	29-May-24	29-May-24	29-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	30-May-24	28-May-24	
MSI Sample Number	Unit	15867240529218	15867240529219	15867240529220	15867240529221	15867240529210	15867240529211	15867240529212	15867240530225	15867240530226	15867240530227	15867240530222	15867240530223	15867240530224	15867240528204	
PCB Congeners																
PCB 151	ng/g	<0.025	<0.025	<0.025	<0.025	0.15	<0.025	<0.025	0.174	<0.025	<0.025	0.34	<0.025	<0.025	0.0646	NS
PCB 153	ng/g	0.086	0.078	0.073	0.061	1.27	0.036	<0.025	1.32	0.038	<0.025	2.92	<0.025	<0.025	0.511	NS
PCB 156	ng/g	<0.025	<0.025	<0.025	<0.025	0.147	<0.025	<0.025	0.131	<0.025	<0.025	0.443	<0.025	<0.025	0.0554	NS
PCB 157	ng/g	<0.025	<0.025	<0.025	<0.025	0.0324	<0.025	<0.025	0.028	<0.025	<0.025	0.0997	<0.025	<0.025	0.0145	NS
PCB 158 + 160	ng/g	<0.025	<0.025	<0.025	<0.025	0.145	<0.025	<0.025	0.163	<0.025	<0.025	0.446	<0.025	<0.025	0.0622	NS
PCB 159	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	0.033	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 169	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	<0.0096	<0.025	<0.025	<0.0099	NS
PCB 170 + 190	ng/g	0.037	0.04	<0.025	0.028	0.458	<0.025	<0.025	0.549	<0.025	<0.025	1.54	<0.025	<0.025	0.198	NS
PCB 171	ng/g	<0.025	<0.025	<0.025	<0.025	0.0988	<0.025	<0.025	0.174	<0.025	<0.025	0.313	<0.025	<0.025	0.0384	NS
PCB 172 + 192	ng/g	<0.025	<0.025	<0.025	<0.025	0.077	<0.025	<0.025	0.106	<0.025	<0.025	0.235	<0.025	<0.025	0.031	NS
PCB 174 + 181	ng/g	0.028	<0.025	<0.025	<0.025	0.348	<0.025	<0.025	0.385	<0.025	<0.025	1.16	<0.025	<0.025	0.165	NS
PCB 177	ng/g	<0.025	<0.025	<0.025	<0.025	0.213	<0.025	<0.025	0.36	<0.025	<0.025	0.672	<0.025	<0.025	0.0933	NS
PCB 180	ng/g	0.102	0.086	0.057	0.07	1.06	<0.025	<0.025	1.45	0.035	<0.025	3.33	0.031	<0.025	0.422	NS
PCB 182 + 187	ng/g	0.052	0.039	0.028	0.03	0.459	<0.025	<0.025	0.625	<0.025	<0.025	1.28	<0.025	<0.025	0.207	NS
PCB 183	ng/g	<0.025	<0.025	<0.025	<0.025	0.212	<0.025	<0.025	0.294	<0.025	<0.025	0.596	<0.025	<0.025	0.0952	NS
PCB 185	ng/g	<0.025	<0.025	<0.025	<0.025	0.0396	<0.025	<0.025	0.099	<0.025	<0.025	0.128	<0.025	<0.025	0.0147	NS
PCB 189	ng/g	<0.025	<0.025	<0.025	<0.025	0.0176	<0.025	<0.025	<0.025	<0.025	<0.025	0.0562	<0.025	<0.025	<0.0099	NS
PCB 191	ng/g	<0.025	<0.025	<0.025	<0.025	0.0576	<0.025	<0.025	0.039	<0.025	<0.025	0.0884	<0.025	<0.025	<0.0099	NS
PCB 193	ng/g	<0.025	<0.025	<0.025	<0.025	0.0763	<0.025	<0.025	0.058	<0.025	<0.025	0.143	<0.025	<0.025	0.0302	NS
PCB 194	ng/g	<0.025	<0.025	<0.025	<0.025	0.203	<0.025	<0.025	0.299	<0.025	<0.025	0.778	<0.025	<0.025	0.0884	NS
PCB 195	ng/g	<0.025	<0.025	<0.025	<0.025	0.0654	<0.025	<0.025	0.076	<0.025	<0.025	0.252	<0.025	<0.025	0.0272	NS
PCB 196 + 203	ng/g	<0.025	<0.025	<0.025	<0.025	0.215	<0.025	<0.025	0.267	<0.025	<0.025	0.775	<0.025	<0.025	0.0954	NS
PCB 199	ng/g	<0.025	<0.025	<0.025	<0.025	0.188	<0.025	<0.025	0.287	<0.025	<0.025	0.656	<0.025	<0.025	0.0823	NS
PCB 202	ng/g	<0.025	<0.025	<0.025	<0.025	0.0261	<0.025	<0.025	0.029	<0.025	<0.025	0.0871	<0.025	<0.025	0.012	NS
PCB 205	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	0.029	<0.025	<0.025	0.041	<0.025	<0.025	<0.0099	NS
PCB 206	ng/g	<0.025	<0.025	<0.025	<0.025	0.0361	<0.025	<0.025	0.057	<0.025	<0.025	0.138	<0.025	<0.025	0.014	NS
PCB 207	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0163	<0.025	<0.025	<0.0099	NS
PCB 208	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0221	<0.025	<0.025	<0.0099	NS
PCB 209	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0131	<0.025	<0.025	<0.0099	NS
Total MonoCB	ng/g	<0.040	<0.040	<0.040	<0.040	<0.014	<0.040	<0.040	<0.040	<0.040	<0.040	<0.014	<0.040	<0.040	<0.014	NS
Total DiCB	ng/g	<0.07	<0.07	<0.07	<0.07	0.051	<0.07	<0.07	0.17	<0.07	<0.07	0.28	<0.07	<0.07	0.035	NS
Total TriCB	ng/g	<0.100	<0.100	0.172	<0.100	0.222	<0.100	<0.100	0.953	<0.100	<0.100	1.35	<0.100	<0.100	0.153	NS
Total TetraCB	ng/g	<0.11	<0.11	0.12	<0.11	0.936	<0.11	<0.11	1.03	3.01	<0.11	2.19	0.37	<0.11	0.318	NS
Total PentaCB	ng/g	<0.10	<0.10	0.16	<0.10	3.09	<0.10	<0.10	2.85	<0.10	<0.10	6.46	<0.10	<0.10	1.05	NS
Total HexaCB	ng/g	0.21	0.2	0.19	0.16	5.04	<0.10	<0.10	4.9	<0.10	<0.10	12.1	<0.10	<0.10	1.82	NS
Total HeptaCB	ng/g	0.22	0.16	<0.10	0.13	3.12	<0.10	<0.10	4.14	<0.10	<0.10	9.54	<0.10	<0.10	1.29	NS
Total OctaCB	ng/g	<0.07	<0.07	<0.07	<0.07	0.718	<0.07	<0.07	0.99	<0.07	<0.07	2.65	<0.07	<0.07	0.305	NS
Total NonaCB	ng/g	<0.04	<0.04	<0.04	<0.04	0.036	<0.04	<0.04	0.06	<0.04	<0.04	0.176	<0.04	<0.04	<0.017	NS
Total DecaCB	ng/g	<0.025	<0.025	<0.025	<0.025	<0.0098	<0.025	<0.025	<0.025	<0.025	<0.025	0.0131	<0.025	<0.025	<0.0099	NS
Total PCB Congeners	ng/g	0.43	0.36	0.64	0.29	13.2	<0.26	<0.26	15.1	3.01	<0.26	34.8	0.37	<0.26	4.97	1300[EL,EW]
Total PCB Congeners	mg/kg	0.00043	0.00036	0.00064	0.00029	0.0132	<0.00026	<0.00026	0.0151	0.00301	<0.00026	0.0348	0.00037	<0.00026	0.00497	1.3[EL,EW]

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

TABLE 14

Soil Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point	Plot 123	Plot 123	Plot 402	Plot 402	Plot 402	Alberta Tier 1 - Soils
Start Depth	0	0.05	Organic	0	0.05	
End Depth	0.05	0.15	Organic	0.05	0.15	Natural Area
Sample Date	28-May-24	28-May-24	27-May-24	27-May-24	27-May-24	
MSI Sample Number	15867240528205	15867240528206	15867240527201	15867240527202	15867240527203	
PCB Congeners						
PCB 1	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 3	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 4 + 10	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 5 + 8	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 6	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 7 + 9	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 11	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 12 + 13	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 15	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 16 + 32	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 17	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 18	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 19	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 20 + 21 + 33	<0.025	<0.025	0.0112	<0.025	<0.025	NS
PCB 22	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 24 + 27	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 25	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 26	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 28 + 31	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 37	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 40	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 41 + 64 + 68 + 71	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 42 + 59	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 43 + 49	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 44	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 45	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 46	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 47 + 48 + 75	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 52 + 73	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 53	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 56 + 60	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 57	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 61 + 74	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 63	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 66 + 80	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 70 + 76	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 77	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 81	<0.025	<0.025	<0.0500	<0.025	<0.025	NS
PCB 82	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 83 + 108	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 84 + 89 + 90 + 101	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 85 + 120	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 86 + 87 + 111 + 115 + 116 + 117	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 91	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 92	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 93 + 95	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 97	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 99	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 105 + 127	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 106 + 118	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 107 + 109	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 110	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 114	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 123	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 126	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 128 + 167	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 129	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 131 + 142 + 146 + 165	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 132 + 168	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 135 + 144	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 136	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 137	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 138 + 163 + 164	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 139 + 149	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 141	<0.025	<0.025	<0.0098	<0.025	<0.025	NS

TABLE 14

Soil Quality Results - PCB Congeners (LRMS Method)

Veolia

W ½ 06-067-08 W5M

Sample Point	Plot 123	Plot 123	Plot 402	Plot 402	Plot 402	Alberta Tier 1 - Soils
Start Depth	0	0.05	Organic	0	0.05	
End Depth	0.05	0.15	Organic	0.05	0.15	Natural Area
Sample Date	28-May-24	28-May-24	27-May-24	27-May-24	27-May-24	
MSI Sample Number	15867240528205	15867240528206	15867240527201	15867240527202	15867240527203	
PCB Congeners						
PCB 151	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 153	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 156	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 157	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 158 + 160	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 159	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 169	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 170 + 190	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 171	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 172 + 192	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 174 + 181	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 177	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 180	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 182 + 187	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 183	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 185	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 189	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 191	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 193	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 194	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 195	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 196 + 203	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 199	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 202	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 205	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 206	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 207	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 208	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
PCB 209	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
Total MonoCB	<0.040	<0.040	<0.014	<0.040	<0.040	NS
Total DiCB	<0.07	<0.07	<0.026	<0.07	<0.07	NS
Total TriCB	<0.100	<0.100	<0.032	<0.100	<0.100	NS
Total TetraCB	<0.11	<0.11	<0.064	<0.11	<0.11	NS
Total PentaCB	<0.10	<0.10	<0.040	<0.10	<0.10	NS
Total HexaCB	<0.10	<0.10	<0.040	<0.10	<0.10	NS
Total HeptaCB	<0.10	<0.10	<0.034	<0.10	<0.10	NS
Total OctaCB	<0.07	<0.07	<0.026	<0.07	<0.07	NS
Total NonaCB	<0.04	<0.04	<0.017	<0.04	<0.04	NS
Total DecaCB	<0.025	<0.025	<0.0098	<0.025	<0.025	NS
Total PCB Congeners	<0.26	<0.26	<0.107	<0.26	<0.26	1300[EL,EW]
Total PCB Congeners	<0.00026	<0.00026	<0.000107	<0.00026	<0.00026	1.3[EL,EW]

Notes:

* - duplicate sample

TEQ - toxic equivalency quotient

EL - indicates guideline for Livestock Soil and Food Ingestion exposure pathway

EW - indicates guideline for Wildlife Soil and Food Ingestion exposure pathway

ABT1 - *Alberta Tier 1 Soil and Groundwater Remediation Guidelines* (EPA 2024)

TABLE 15

Moss Bag Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Unexposed - Acid Washed																												
Unexposed Moss	30-May-24	15867240530319	274	0.045	0.27	3.89	<0.010	<1.0	0.013	0.688	0.123	1.38	313	0.559	<0.50	7.2	0.0354	0.376	0.43	0.073	0.0062	0.503	0.0026	0.39	8.82	0.034	0.6	3.87	0.57
Unexposed Moss	30-May-24	15867240530320	295	0.047	0.285	3.97	<0.010	<1.0	0.0138	0.744	0.126	1.46	331	0.549	<0.50	7.81	0.035	0.407	0.46	0.077	0.0081	0.519	0.0026	0.23	9.56	0.0354	0.65	4.01	0.63
Unexposed Moss	30-May-24	15867240530321	295	0.053	0.295	4.2	<0.010	<1.0	0.0146	0.777	0.138	1.45	354	0.577	<0.50	7.4	0.0372	0.423	0.46	0.08	0.0071	0.542	0.0028	0.26	9.41	0.0384	0.67	4.25	0.64
Fenceline Monitoring Sites																													
Site 1	29-May-24	15867240529310	262	0.096	0.308	6.05	<0.010	<1.0	0.0345	0.673	0.227	2.08	408	1.38	<0.50	12.9	0.0538	0.452	0.54	0.078	0.0108	1.1	0.0034	0.27	7.79	0.0314	0.61	29.5	0.58
Site 5	29-May-24	15867240529312	287	0.068	0.342	6.26	<0.010	<1.0	0.032	0.777	0.206	2.37	406	1.22	<0.50	14.6	0.0543	0.52	0.7	0.072	0.014	1.19	0.0038	0.29	9.52	0.041	0.7	21.6	0.74
Site 9	29-May-24	15867240529311	398	0.179	0.76	11.4	0.012	1.4	0.113	1.22	0.348	8.99	615	5.44	<0.50	18.2	0.0677	0.713	1.04	0.097	0.032	1.84	0.0173	0.64	14.7	0.0446	0.99	53.1	0.88
Zone 1																													
MB4	29-May-24	15867240529314	305	0.071	0.29	6.2	<0.010	1	0.025	0.681	0.185	1.87	382	0.837	<0.50	20	0.049	0.432	0.56	0.076	0.0105	0.933	0.0034	0.25	9.29	0.0351	0.69	5.82	0.64
MB5	29-May-24	15867240529315	274	0.056	0.252	5.27	<0.010	<1.0	0.0251	0.646	0.157	1.76	356	0.888	<0.50	15.2	0.0452	0.415	0.49	0.07	0.0086	0.9	0.0032	0.69	8.46	0.0341	0.62	6.06	0.64
MB15	29-May-24	15867240529313	284	0.064	0.25	5.08	<0.010	<1.0	0.0206	0.596	0.153	1.63	395	0.653	<0.50	18.9	0.0525	0.404	0.48	0.075	0.0077	0.799	0.0031	0.17	9.23	0.033	0.62	4.68	0.62
MB20	30-May-24	15867240529316	333	0.056	0.269	6.2	<0.010	<1.0	0.0224	0.813	0.14	2.34	412	0.857	<0.50	11.5	0.0497	0.471	0.6	0.083	0.0097	1.14	0.0033	0.28	10.1	0.0464	0.76	9.01	0.78
Zone 2																													
MB1	28-May-24	15867240528304	326	0.059	0.28	6.44	<0.010	<1.0	0.0301	0.676	0.156	1.71	369	0.603	<0.50	44.6	0.063	0.422	0.61	0.078	0.0105	1.22	0.0041	0.2	9.74	0.0366	0.73	6.68	0.78
MB2	28-May-24	15867240528305	270	0.051	0.261	4.58	<0.010	<1.0	0.0176	0.605	0.121	1.46	336	0.555	<0.50	14.7	0.0465	0.404	0.42	0.076	0.0082	0.763	0.0034	0.88	8.73	0.0355	0.62	4.23	0.64
MB9	27-May-24	15867240527303	237	0.056	0.247	4.54	<0.010	<1.0	0.0161	0.602	0.142	1.46	309	0.515	<0.50	13.7	0.0467	0.398	0.48	0.067	0.0076	0.756	0.0025	<0.10	7.78	0.0308	0.54	3.67	0.67
MB11	28-May-24	15867240528306	257	0.048	0.244	4.79	<0.010	<1.0	0.0153	0.621	0.134	1.49	312	0.546	<0.50	10.1	0.0392	0.556	0.4	0.06	0.007	0.603	0.0023	0.16	7.94	0.0311	0.56	3.71	0.59
MB14	27-May-24	15867240527302	292	0.054	0.258	5.13	<0.010	<1.0	0.0148	0.664	0.143	1.53	343	0.633	<0.50	10.3	0.047	0.423	0.47	0.069	0.0078	0.765	0.0029	0.36	9.31	0.0354	0.68	4	0.62
MB19	28-May-24	15867240528307	263	0.046	0.243	5.34	<0.010	<1.0	0.0134	0.643	0.12	1.4	293	0.518	<0.50	8.09	0.0379	0.358	0.4	0.062	0.0077	0.679	0.0025	0.22	8.21	0.0291	0.58	6.39	0.54
MB22	30-May-24	15867240529317	284	0.055	0.236	6.38	<0.010	<1.0	0.0311	0.56	0.161	1.68	361	0.757	<0.50	37.9	0.0536	0.371	0.53	0.081	0.0089	1.32	0.004	0.16	9.8	0.0372	0.64	6.98	0.74
MB24	27-May-24	15867240527301	341	0.056	0.266	5.85	<0.010	<1.0	0.0187	0.65	0.134	1.78	386	0.656	<0.50	36	0.0519	0.407	0.55	0.082	0.0104	1.14	0.0037	0.98	10.6	0.0391	0.73	6.67	0.72
MB26	29-May-24	15867240529309	309	0.062	0.264	5.08	<0.010	<1.0	0.0153	0.64	0.136	1.7	376	0.657	<0.50	18.7	0.0558	0.5	0.48	0.072	0.0097	0.828	0.0035	0.52	9.82	0.0369	0.7	6.27	0.66
MB50	28-May-24	15867240528308	280	0.057	0.232	6.49	<0.010	<1.0	0.0244	0.519	0.19	1.9	343	0.709	<0.50	29.1	0.0518	0.474	0.5	0.07	0.01	1.24	0.0033	0.72	8.84	0.0367	0.62	7.16	0.76
MB71	30-May-24	15867240529318	244	0.051	0.244	7.5	<0.010	<1.0	0.0206	0.554	0.157	1.64	330	0.714	<0.50	21.6	0.0495	0.44	0.44	0.074	0.0083	1.36	0.0028	<0.10	8.7	0.0332	0.56	5.71	0.68

TABLE 16

Lichen Vitality

Veolia

W ½ 06-067-08 W5M

Site	Vigour																				Notes
	1997	1998	1999	2000	2001	2002	2003	2004	2005	2007	2009	2011	2013	2014	2016	2018	2019	2021	2022	2023	2024	
Zone 1																						
1-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	3	3	-
1-2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	-
1-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	2	-
2-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	2	3	3	3	-
2-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	3	3	-
2-3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	-
4-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	2	3	-
4-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	2	2	2	3	3	-
4-3	---	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	1	1	1	Site 4 relocated in 1998.
5-1	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	1	1	1	2	2	2	-
5-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	1	1	2	2	2	2	-
5-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
9-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	2	2	2	2	2	-
9-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	1	1	1	1	2	2	-
9-3	3	3	3	3	3	2	2	2	2	2	2	3	2	2	2	3	3	3	3	3	3	-
Zone 2																						
11-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	3	3	3	3	3	-
11-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	3	3	-
11-3	---	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	-
14-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
14-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
14-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-
15-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	3	3	-
15-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	1	2	2	2	2	2	3	Replaced location in 2024
15-3	3	3	3	3	3	3	3	3	3	3	3	3	---	3	2	3	3	3	3	3	3	-
20-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
20-2	3	3	3	3	3	3	3	–	3	3	3	3	3	3	3	2	1	2	2	2	2	Replacement for Site 17 that was cleared in 2004. In 2016 it was observed that the tree hosting the subsite had fallen over a new site may need to be selected. The vitality was considered to have degraded relative to 2018 due to missing lichen from the site.
20-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
Zone 3																						
19-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	3	3	-
19-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	3	2	2	2	2	-
19-3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	1	3	3	3	3	
22-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	NM	3	In 2016 it was noted that a neighbouring tree had fallen near the site and scraped the lichen.
22-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	NM	3	-
22-3	---	---	---	---	---	---	---	---	---	3	3	3	2	2	3	3	3	3	3	NM	3	Site relocated 160 m further north in 2007.
24-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	---	3	3	3	3	3	Plot destroyed by FMA holder in 2017 or 2018 and was relocated in 2019. Potential lichen sites were identified but not monitored in 2018.
24-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	---	3	3	3	3	3	
24-3	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	---	3	3	3	3	3	
26-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	3	3	3	3	3	3	-
26-2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	3	2	3	3	3	3	-
26-3	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
50-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	2	2	2	2	-
50-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	-
50-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	2	2	3	Site relocated in 2014 8 m to the northwest of the previous site.
71-1	---	---	---	---	---	---	---	---	---	---	---	---	---	---	3	3	3	3	3	3	3	Tree which hosts the lichen site fell over, site is still visible but may need to be replaced in 2018.
71-2	---	---	---	---	---	---	---	---	---	---	---	---	---	---	2	2	2	3	3	3	2	-
71-3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	1	2	1	1	3	The tree hosting this lichen site is dead and some lichen appears to have fallen off with the tree bark.

Lichen Vitality Classes:

3 - No damage, healthy, robust.
2 - Partially damaged, discoloured, deformed necrotic tissue.
1 - Morbid, dead, tissue missing.
0 - Absent.
--- - No data.
NM - Not monitored, site could not be accessed due to flow velocities in the streams on the trail leading to the site

TABLE 17a

Air Quality Results - TSP Data

Veolia

W ½ 06-067-08 W5M

Sample Date	Notes	SEM Analysis	Average Wind Speed@10m m/s	Wind Direction @ 10m (dominant directions in %)	Initial Mass g	Final Mass g	Particulate Mass ug	Elapsed Time min	Volume of Air ft^3/day	Volume of Air m^3	TSP ug/m^3	Filter #
Site 1												
01-Feb-23	Baseline - pre-fires and no fly ash activity	-	8.9	Variable	4.4659	4.4716	5700	1440.0	57325	1623.9	3.5	9402629
08-Mar-23	Baseline - pre-fires and no fly ash activity	-	6.3	E	4.5099	4.5134	3500	1440.0	58797	1665.6	2.1	9402627
04-Apr-23	Baseline - pre-fires and no fly ash activity	-	3.1	E	4.4653	4.4713	6000	1440.0	55203	1563.8	3.8	9402625
16-May-23	Peak Fire Activity	Filter covered with ash from forest fires cannot differentiate fly ash	20.1	NNW	4.5020	4.7640	262000	1440.0	53601	1518.4	172.5	9402621
30-May-23	Peak Fire Activity	-	5.8	NE & NW	4.4817	4.5022	20500	1440.0	31838	901.9	22.7	9402619
04-Jul-23	Fires Active	-	7.8	NW-W	4.5026	4.5128	10200	1440.0	56709	1606.5	6.3	9402611
01-Aug-23	Fires Active	-	13.2	NW-W	4.4747	4.4949	20200	1440.0	56253	1593.6	12.7	9402609
13-Sep-23	Fires Active	-	22.5	NW-W	4.5160	4.5643	48300	1440.0	56315	1595.3	30.3	9402606
17-Oct-23	Fly Ash Test	-	16.2	SW & NW-W	4.4827	4.4894	6700	1440.0	56460	1599.4	4.2	9402605
19-Oct-23	Fly Ash Test	-	22.0	W	4.4777	4.4785	800	1440.0	56080	1588.7	0.5	9402603
Site 9												
01-Feb-23	Baseline - pre-fires and no fly ash activity	-	8.9	Variable	4.4750	4.4817	6700	1440.0	59534	1686.5	4.0	9402628
08-Mar-23	Baseline -pre-fires and no fly ash activity	-	6.3	E	4.5064	4.5113	4900	1440.0	59906	1697.1	2.9	9402626
04-Apr-23	Baseline -pre-fires and no fly ash activity	-	3.1	E	4.4960	4.5000	4000	1440.0	56909	1612.2	2.5	9402624
16-May-23	Peak Fire Activity	Filter covered with ash from forest fires cannot differentiate fly ash	20.1	NNW	4.5079	4.8013	293400	1440.0	55911	1583.9	185.2	9402620
30-May-23	Peak Fire Activity	-	5.8	NE & NW	4.5005	4.5397	39200	1440.0	54971	1557.3	25.2	9402618
04-Jul-23	Fires Active	-	7.8	NW-W	4.4783	4.4887	10400	1440.0	55583	1574.6	6.6	9402610
01-Aug-23	Fires Active	-	13.2	NW-W	4.4964	4.5450	48600	1440.0	56578	1602.8	30.3	9402608
13-Sep-23	Fires Active	Filter covered with ash from forest fires cannot differentiate fly ash	22.5	NW-W	4.4858	4.6203	134500	1440.0	55524	1572.9	85.5	9402607
17-Oct-23	Fly Ash Test	-	16.2	SW & NW-W	4.4847	4.5347	50000	1440.0	56162	1591.0	31.4	9402604
19-Oct-23	Fly Ash Test	Limited particulate on filter cannot discern particles under SEM	22.0	W	4.4836	4.4953	11700	1440.0	55781	1580.2	7.4	9402602

Notes

- direction wind is blowing from
- Data on this table was provided by Veolia and previously reported. The data has been reproduced for the purpose of interpretting metal concentrations in the suspended particulate

TABLE 17b

Air Quality Results – Metals Data

Veolia

W ½ 06-067-08 W5M

Sample Point	BLANK FILTER #9894180	SITE 1 FILTER #9402627			SITE 1 FILTER #9402625			SITE 1 FILTER #9402621			SITE 1 FILTER #9402619			SITE 1 FILTER #9402611			SITE 1 FILTER #9402609			SITE 1 FILTER #9402606		
Sample Date	29-Apr-24	08-Mar-23			04-Apr-23			16-May-23			30-May-23			04-Jul-23			01-Aug-23			13-Sep-23		
Total Suspended Particulate (g)		0.0035			0.0060			0.262			0.0205			0.0102			0.0202			0.0483		
Volume of Air (m^3)	N/A	1665.6			1563.8			1518.4			901.9			1606.5			1593.6			1595.3		
Total Suspended Particulate (ug/m^3)		2.1			3.8			172.6			22.7			6.3			12.7			30.3		
Metals																						
Units	**ug**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**
Aluminum (Al)	569.00	401.00	0.24	114571.43	422.00	0.27	70333.33	584.00	0.38	2229.01	527.00	0.58	25707.32	385.00	0.24	37745.10	431.00	0.27	21336.63	592.00	0.37	12256.73
Antimony (Sb)	<10	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Arsenic (As)	<6.0	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---
Barium (Ba)	3.10	5.30	0.0032	1514.29	4.10	0.0026	683.33	50.60	0.033	193.13	9.70	0.011	473.17	3.60	0.0022	352.94	18.80	0.012	930.69	14.20	0.0089	294.00
Beryllium (Be)	<1.0	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---
Bismuth (Bi)	<6.0	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---
Boron (B)	204.00	171.00	0.10	48857.14	203.00	0.13	33833.33	203.00	0.13	774.81	227.00	0.25	11073.17	249.00	0.15	24411.76	222.00	0.14	10990.10	222.00	0.14	4596.27
Cadmium (Cd)	<2.0	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---
Calcium (Ca)	1810.00	1830.00	1.10	522857.14	1790.00	1.14	298333.33	6480.00	4.27	24732.82	2000.00	2.22	97560.98	1730.00	1.08	169607.84	1750.00	1.10	86633.66	2200.00	1.38	45548.65
Chromium (Cr)	<5.0	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Cobalt (Co)	<2.0	2.40	0.0014	685.71	2.70	0.0017	450.00	<2.0	---	---	<2.0	---	---	<2.0	---	---	11.30	0.0071	559.41	<2.0	---	---
Copper (Cu)	<5.0	13.70	0.0082	3914.29	10.20	0.0065	1700.00	13.00	0.0086	49.62	15.40	0.017	751.22	5.60	0.0035	549.02	14.80	0.0093	732.67	21.50	0.013	445.13
Iron (Fe)	52.00	174.00	0.10	49714.29	166.00	0.11	27666.67	571.00	0.38	2179.39	303.00	0.34	14780.49	89.00	0.055	8725.49	264.00	0.17	13069.31	681.00	0.43	14099.38
Lead (Pb)	<3.0	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	6.80	0.004	140.79
Lithium (Li)	<27	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---
Magnesium (Mg)	570.00	620.00	0.37	177142.86	590.00	0.38	98333.33	1080.00	0.71	4122.14	682.00	0.76	33268.29	575.00	0.36	56372.55	572.00	0.36	28316.83	721.00	0.45	14927.54
Manganese (Mn)	<1.0	7.10	0.0043	2028.57	5.10	0.0033	850.00	309.00	0.20	1179.39	13.60	0.015	663.41	4.60	0.0029	450.98	7.00	0.0044	346.53	24.10	0.015	498.96
Molybdenum (Mo)	<3.0	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---
Nickel (Ni)	<3.0	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---
Phosphorus (P)	<25	<25	---	---	34.00	0.022	5666.67	516.00	0.34	1969.47	189.00	0.21	9219.51	53.00	0.033	5196.08	42.00	0.026	2079.21	79.00	0.050	1635.61
Potassium (K)	592.00	610.00	0.37	174285.71	603.00	0.39	100500.00	2450.00	1.61	9351.15	835.00	0.93	40731.71	725.00	0.45	71078.43	632.00	0.40	31287.13	748.00	0.47	15486.54
Selenium (Se)	<10	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Silicon (Si)	73.00	109.00	0.065	31142.86	359.00	0.23	59833.33	383.00	0.25	1461.83	383.00	0.42	18682.93	370.00	0.23	36274.51	342.00	0.21	16930.69	394.00	0.25	8157.35
Silver (Ag)	<5.0	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Sodium (Na)	19900.00	22200.00	13.33	6342857.14	23400.00	14.96	3900000.00	22700.00	14.95	86641.22	24600.00	27.28	1200000.00	24600.00	15.31	2411764.71	23300.00	14.62	1153465.35	25200.00	15.80	521739.13
Strontium (Sr)	3.90	3.80	0.0023	1085.71	4.00	0.0026	666.67	20.00	0.013	76.34	4.40	0.0049	214.63	3.50	0.0022	343.14	4.10	0.0026	202.97	5.60	0.0035	115.94
Sulphur (S)	<25	1730.00	1.04	494285.71	1020.00	0.65	170000.00	1350.00	0.89	5152.67	255.00	0.28	12439.02	320.00	0.20	31372.55	398.00	0.25	19702.97	441.00	0.28	9130.43
Tin (Sn)	<10	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Titanium (Ti)	13.00	<10	---	---	<10	---	---	15.00	0.010	57.25	<10	---	---	<10	---	---	12.00	0.0075	594.06	19.00	0.012	393.37
Vanadium (V)	<5.0	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Zinc (Zn)	<5.0	15.40	0.0092	4400.00	11.60	0.0074	1933.33	108.00	0.071	412.21	19.20	0.021	936.59	11.40	0.0071	1117.65	19.30	0.012	955.45	57.90	0.036	1198.76
Zirconium (Zr)	<5.0	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---

TABLE 17b

Air Quality Results – Metals Data

Veolia

W ½ 06-067-08 W5M

Sample Point	SITE 1 FILTER #9402605			SITE 1 FILTER #9402603			SITE 9 FILTER #9402628			SITE 9 FILTER #9402626			SITE 9 FILTER #9402624			SITE 9 FILTER #9402620			SITE 9 FILTER #9402618			SITE 9 FILTER #9402610		
Sample Date	**17-Oct-23**			**19-Oct-23**			**01-Feb-23**			**08-Mar-23**			**04-Apr-23**			**16-May-23**			**30-May-23**			**04-Jul-23**		
Total Suspended Particulate (g)	0.0067			0.0008			0.01			0.0049			0.0040			0.2934			0.0392			0.0104		
Volume of Air (m^3)	1599.4			1588.7			1686.5			1697.1			1612.2			1583.9			1557.3			1574.6		
Total Suspended Particulate (ug/m^3)	4.2			0.5			4.0			2.9			2.5			185.2			25.2			6.6		
Metals																								
Units	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**
Aluminum (Al)	449.00	0.28	67014.93	377.00	0.24	471250.00	430.00	0.25	64179.10	429.00	0.25	87551.02	424.00	0.26	106000.00	1000.00	0.63	3408.32	789.00	0.51	20127.55	411.00	0.26	39519.23
Antimony (Sb)	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Arsenic (As)	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---
Barium (Ba)	5.90	0.0037	880.60	3.10	0.0020	3875.00	3.70	0.0022	552.24	4.90	0.0029	1000.00	4.20	0.0026	1050.00	59.80	0.038	203.82	10.70	0.0069	272.96	5.00	0.0032	480.77
Beryllium (Be)	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---
Bismuth (Bi)	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---
Boron (B)	222.00	0.14	33134.33	206.00	0.13	257500.00	193.00	0.11	28805.97	193.00	0.11	39387.76	211.00	0.13	52750.00	210.00	0.13	715.75	196.00	0.13	5000.00	239.00	0.15	22980.77
Cadmium (Cd)	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	2.90	0.0018	9.88	<2.0	---	---	<2.0	---	---
Calcium (Ca)	1900.00	1.19	283582.09	1640.00	1.03	2050000.00	1620.00	0.96	241791.04	1980.00	1.17	404081.63	1800.00	1.12	450000.00	6630.00	4.19	22597.14	1900.00	1.22	48469.39	1630.00	1.04	156730.77
Chromium (Cr)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Cobalt (Co)	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---
Copper (Cu)	14.20	0.0089	2119.40	7.80	0.0049	9750.00	16.80	0.010	2507.46	11.00	0.0065	2244.90	8.40	0.0052	2100.00	44.40	0.028	151.33	9.90	0.0064	252.55	10.50	0.007	1009.62
Iron (Fe)	398.00	0.25	59402.99	109.00	0.069	136250.00	306.00	0.18	45671.64	207.00	0.12	42244.90	154.00	0.10	38500.00	1180.00	0.74	4021.81	638.00	0.41	16275.51	115.00	0.073	11057.69
Lead (Pb)	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	14.70	0.0093	50.10	<3.0	---	---	<3.0	---	---
Lithium (Li)	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---	<27	---	---
Magnesium (Mg)	603.00	0.38	90000.00	549.00	0.35	686250.00	548.00	0.32	81791.04	675.00	0.40	137755.10	595.00	0.37	148750.00	1170.00	0.74	3987.73	647.00	0.42	16505.10	547.00	0.35	52596.15
Manganese (Mn)	13.20	0.0083	1970.15	2.80	0.0018	3500.00	4.10	0.0024	611.94	7.40	0.0044	1510.20	4.20	0.0026	1050.00	288.00	0.18	981.60	15.80	0.010	403.06	4.70	0.0030	451.92
Molybdenum (Mo)	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---
Nickel (Ni)	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---	3.20	0.0020	10.91	<3.0	---	---	<3.0	---	---
Phosphorus (P)	35.00	0.022	5223.88	<25	---	---	<25	---	---	<25	---	---	<25	---	---	467.00	0.29	1591.68	69.00	0.044	1760.20	55.00	0.035	5288.46
Potassium (K)	605.00	0.38	90298.51	582.00	0.37	727500.00	575.00	0.34	85820.90	609.00	0.36	124285.71	605.00	0.38	151250.00	2400.00	1.52	8179.96	663.00	0.43	16913.27	682.00	0.43	65576.92
Selenium (Se)	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Silicon (Si)	353.00	0.22	52686.57	340.00	0.21	425000.00	344.00	0.20	51343.28	361.00	0.21	73673.47	347.00	0.22	86750.00	425.00	0.27	1448.53	403.00	0.26	10280.61	348.00	0.22	33461.54
Silver (Ag)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Sodium (Na)	22900.00	14.32	3417910.45	23500.00	14.79	29375000.00	25300.00	15.00	3776119.40	23200.00	13.67	4734693.88	23900.00	14.82	5975000.00	24000.00	15.15	81799.59	22300.00	14.32	568877.55	23500.00	14.92	2259615.38
Strontium (Sr)	4.10	0.0026	611.94	3.40	0.0021	4250.00	3.50	0.0021	522.39	4.10	0.0024	836.73	3.80	0.0024	950.00	20.40	0.013	69.53	4.50	0.0029	114.80	3.40	0.0022	326.92
Sulphur (S)	555.00	0.35	82835.82	246.00	0.15	307500.00	248.00	0.15	37014.93	1840.00	1.08	375510.20	929.00	0.58	232250.00	1520.00	0.96	5180.64	328.00	0.21	8367.35	275.00	0.17	26442.31
Tin (Sn)	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Titanium (Ti)	10.00	0.0063	1492.54	<10	---	---	<10	---	---	<10	---	---	<10	---	---	31.00	0.020	105.66	13.00	0.0083	331.63	<10	---	---
Vanadium (V)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Zinc (Zn)	14.70	0.0092	2194.03	13.10	0.0082	16375.00	17.90	0.011	2671.64	14.20	0.0084	2897.96	10.00	0.0062	2500.00	155.00	0.10	528.29	16.90	0.011	431.12	13.90	0.0088	1336.54
Zirconium (Zr)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---

TABLE 17b

Air Quality Results – Metals Data

Veolia

W ½ 06-067-08 W5M

Sample Point	SITE 9 FILTER #9402608			SITE 9 FILTER #9402607			SITE 9 FILTER #9402604			SITE 9 FILTER #9402602		
Sample Date	01-Aug-23			13-Sep-23			17-Oct-23			19-Oct-23		
Total Suspended Particulate (g)	0.0486			0.1345			0.050			0.0117		
Volume of Air (m^3)	1602.8			1572.9			1591.0			1580.2		
Total Suspended Particulate (ug/m^3)	30.3			85.5			31.4			7.4		
Metals												
Units	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**	**ug**	**ug/m3**	**ug/g**
Aluminum (Al)	598.00	0.37	12304.53	1190.00	0.76	8847.58	705.00	0.44	14100.00	551.00	0.35	47094.02
Antimony (Sb)	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Arsenic (As)	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---
Barium (Ba)	11.30	0.0071	232.51	39.50	0.025	293.68	15.70	0.010	314.00	16.80	0.011	1435.90
Beryllium (Be)	<1.0	---	---	<1.0	---	---	<1.0	---	---	<1.0	---	---
Bismuth (Bi)	<6.0	---	---	<6.0	---	---	<6.0	---	---	<6.0	---	---
Boron (B)	214.00	0.13	4403.29	205.00	0.13	1524.16	188.00	0.12	3760.00	245.00	0.16	20940.17
Cadmium (Cd)	<2.0	---	---	<2.0	---	---	<2.0	---	---	<2.0	---	---
Calcium (Ca)	1980.00	1.24	40740.74	3190.00	2.03	23717.47	2210.00	1.39	44200.00	2130.00	1.35	182051.28
Chromium (Cr)	<5.0	---	---	5.70	0.004	42.38	<5.0	---	---	<5.0	---	---
Cobalt (Co)	2.10	0.0013	43.21	<2.0	---	---	<2.0	---	---	<2.0	---	---
Copper (Cu)	13.60	0.0085	279.84	55.70	0.035	414.13	24.30	0.015	486.00	21.50	0.014	1837.61
Iron (Fe)	630.00	0.39	12962.96	2240.00	1.42	16654.28	1050.00	0.66	21000.00	403.00	0.26	34444.44
Lead (Pb)	3.20	0.0020	65.84	24.70	0.016	183.64	5.80	0.0036	116.00	14.30	0.0090	1222.22
Lithium (Li)	<27	---	---	<27	---	---	<27	---	---	<27	---	---
Magnesium (Mg)	678.00	0.42	13950.62	1020.00	0.65	7583.64	706.00	0.44	14120.00	649.00	0.41	55470.09
Manganese (Mn)	15.70	0.010	323.05	53.10	0.034	394.80	27.60	0.017	552.00	8.20	0.0052	700.85
Molybdenum (Mo)	<3.0	---	---	<3.0	---	---	<3.0	---	---	<3.0	---	---
Nickel (Ni)	<3.0	---	---	4.70	0.0030	34.94	<3.0	---	---	<3.0	---	---
Phosphorus (P)	49.00	0.031	1008.23	116.00	0.074	862.45	49.00	0.031	980.00	33.00	0.021	2820.51
Potassium (K)	640.00	0.40	13168.72	815.00	0.52	6059.48	617.00	0.39	12340.00	675.00	0.43	57692.31
Selenium (Se)	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Silicon (Si)	461.00	0.29	9485.60	572.00	0.36	4252.79	497.00	0.31	9940.00	500.00	0.32	42735.04
Silver (Ag)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Sodium (Na)	23100.00	14.41	475308.64	24500.00	15.58	182156.13	22100.00	13.89	442000.00	26700.00	16.9	2282051.28
Strontium (Sr)	4.60	0.0029	94.65	8.60	0.0055	63.94	5.00	0.0031	100.00	5.00	0.0032	427.35
Sulphur (S)	379.00	0.24	7798.35	709.00	0.45	5271.38	504.00	0.32	10080.00	306.00	0.19	26153.85
Tin (Sn)	<10	---	---	<10	---	---	<10	---	---	<10	---	---
Titanium (Ti)	20.00	0.012	411.52	69.00	0.044	513.01	28.00	0.018	560.00	24.00	0.015	2051.28
Vanadium (V)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---
Zinc (Zn)	19.80	0.012	407.41	125.00	0.079	929.37	32.20	0.020	644.00	65.20	0.041	5572.65
Zirconium (Zr)	<5.0	---	---	<5.0	---	---	<5.0	---	---	<5.0	---	---

TABLE 18a

Live Moss Quality Control Sample Results - Metals

Veolia

W ½ 06-07-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 109	29-May-24	15867240529028	517	0.258	0.548	36.6	0.02	7.4	0.228	1.31	0.338	8.7	712	9.77	<0.50	878	0.231	0.375	1.92	0.102	0.0755	8.24	0.0233	0.86	17.3	0.0379	1.35	81.4	<0.80
Plot 109	29-May-24	15867240529029	440	0.218	0.461	32.8	0.018	6.7	0.191	1.19	0.29	7.46	607	8.74	<0.50	812	0.259	0.336	1.77	0.081	0.07	7.82	0.0202	0.66	14.7	0.0322	1.18	69.2	0.25
Detection Limit (DL)			2	0.01	0.02	0.05	0.01	1	0.005	0.05	0.02	0.1	3	0.02	0.5	0.05	0.005	0.02	0.2	0.05	0.005	0.05	0.002	0.1	0.25	0.002	0.1	0.5	0.8
Reliable Detection Limit (RDL)**			10	0.05	0.1	0.25	0.05	5	0.025	0.25	0.1	0.5	15	0.1	2.5	0.25	0.025	0.1	1	0.25	0.025	0.25	0.01	0.5	1.25	0.01	0.5	2.5	4
Absolute Difference*			77	0.04	0.087	3.8	0.002	0.7	0.037	0.12	0.048	1.24	105	1.03	---	66	0.028	0.039	0.15	0.021	0.0055	0.42	0.0031	0.2	2.6	0.0057	0.17	12.2	---
Absolute Relative Percent Difference (RPD)*			16	17	17	11	---	10	18	10	15	15	16	11	---	8	11	11	8	---	8	5	14	26	16	16	13	16	---
Duplicate Sample Results Evaluation			Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Plot 402	27-May-24	15867240527001	570	0.033	0.258	58.2	0.03	7.1	0.289	1.02	0.608	4.05	670	0.906	<0.50	741	0.0968	0.123	1.6	0.091	0.0318	22.2	0.0275	0.18	13.2	0.0515	1.32	64.8	0.66
Plot 402	27-May-24	15867240527002	422	0.027	0.2	49.6	0.02	7.2	0.345	0.57	0.45	3.28	492	0.699	<0.50	790	0.0709	0.099	1.02	0.073	0.0343	22	0.0217	<0.10	9.54	0.0397	1.03	62.1	0.28
Detection Limit (DL)			2	0.01	0.02	0.05	0.01	1	0.005	0.05	0.02	0.1	3	0.02	0.5	0.05	0.0067	0.02	0.2	0.05	0.005	0.05	0.002	0.1	0.25	0.002	0.1	0.5	0.2
Reliable Detection Limit (RDL)**			10	0.05	0.1	0.25	0.05	5	0.025	0.25	0.1	0.5	15	0.1	2.5	0.25	0.0335	0.1	1	0.25	0.025	0.25	0.01	0.5	1.25	0.01	0.5	2.5	1
Absolute Difference*			148	0.006	0.058	8.6	0.01	0.1	0.056	0.45	0.158	0.77	178	0.207	---	49	0.0259	0.024	0.58	0.018	0.0025	0.2	0.0058	---	3.66	0.0118	0.29	2.7	0.38
Absolute Relative Percent Difference (RPD)*			30	---	25	16	---	1	18	57	30	21	31	26	---	6	31	---	44	---	8	1	24	---	32	26	25	4	---
Duplicate Sample Results Evaluation			Good	Good	Good	Good	Good	Good	Good	***Poor***	Good	Good	Good	Good	Good	Good	Good	Good	***Poor***	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 18b

Live Moss Quality Control Sample Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Lab pH	Lab EC dS/m	Saturation %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 109	29-May-24	15867240529028	5	0.261	1030	7160	842	2760	30	1160	1000
Plot 109	29-May-24	15867240529029	4.47	0.156	1180	6840	732	2780	28	1100	900
Detection Limit (DL)			---	0.02	1	20	2	20	20	10	100
Reliable Detection Limit (RDL)**			---	0.1	5	100	10	100	100	50	500
Absolute Difference*			0.53	0.105	150	320	110	20	2	60	100
Absolute Relative Percent Difference (RPD)*			---	50	14	5	14	1	---	5	11
Duplicate Sample Results Evaluation			***Poor***	***Poor***	Good	Good	Good	Good	Good	Good	Good
Plot 402	27-May-24	15867240527001	4.65	0.15	1160	8940	890	3080	26	1200	930
Plot 402	27-May-24	15867240527002	4.58	0.208	1110	8430	975	3880	26	1290	920
Detection Limit (DL)			---	0.02	1	20	2	20	20	10	100
Reliable Detection Limit (RDL)**			---	0.1	5	100	10	100	100	50	500
Absolute Difference*			0.07	0.058	50	510	85	800	0	90	10
Absolute Relative Percent Difference (RPD)*			---	32	4	6	9	23	---	7	1
Duplicate Sample Results Evaluation			Good	Good	Good	Good	Good	Good	Good	Good	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)
- pH is evaluated based on Absolute Difference (unacceptable if > 0.5)

TABLE 18c

Live Moss Quality Control Sample Results - Polychlorinated Biphenyls (A-PCBs)

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Aroclor 1016 mg/kg	Aroclor 1221 mg/kg	Aroclor 1232 mg/kg	Aroclor 1242 mg/kg	Aroclor 1248 mg/kg	Aroclor 1254 mg/kg	Aroclor 1260 mg/kg	Aroclor 1262 mg/kg	Aroclor 1268 mg/kg	Total PCBs mg/kg
Plot 109	29-May-24	15867240529028	<0.023	<0.023	<0.023	<0.023	<0.023	0.098	0.262	<0.023	<0.023	0.36
Plot 109	29-May-24	15867240529029	<0.018	<0.018	<0.018	<0.018	<0.018	0.083	0.22	<0.018	<0.018	0.303
Detection Limit (DL)			0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023	0.023
Reliable Detection Limit (RDL)**			0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115	0.115
Absolute Difference*			---	---	---	---	---	0.015	0.042	---	---	0.057
Absolute Relative Percent Difference (RPD)*			---	---	---	---	---	---	17	---	---	17
Duplicate Sample Results Evaluation			Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 18d

Live Moss Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 6	Plot 6	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation	Plot 9	Plot 9	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation
Date	Unit	27-May-24	27-May-24						27-May-24	27-May-24					
Sample Number		15867240528012	15867240528013						15867240528008	15867240528009					
PCB Congeners															
PCB 1	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 3	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 4 + 10	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 5 + 8	ng/g	<0.0100	0.0136	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 6	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 7 + 9	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 11	ng/g	0.0207	0.0195	0.01	0.05	0.0012	---	Good	0.0221	0.0164	0.0098	0.049	0.0057	---	Good
PCB 12 + 13	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 15	ng/g	<0.0100	0.0109	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 16 + 32	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 17	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 18	ng/g	0.011	0.0194	0.01	0.05	0.0084	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 19	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 20 + 21 + 33	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 22	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	0.0173	<0.0096	0.0098	0.049	---	---	Good
PCB 24 + 27	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 25	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 26	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 28 + 31	ng/g	<0.0100	0.0889	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 37	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 40	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 41 + 64 + 68 + 71	ng/g	0.0487	0.0327	0.01	0.05	0.016	---	Good	0.021	0.0122	0.0098	0.049	0.0088	---	Good
PCB 42 + 59	ng/g	0.0131	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 43 + 49	ng/g	0.0206	0.0256	0.01	0.05	0.005	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 44	ng/g	0.0144	0.0179	0.01	0.05	0.0035	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 45	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 46	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 47 + 48 + 75	ng/g	0.0142	0.0181	0.01	0.05	0.0039	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 52 + 73	ng/g	0.0383	0.0459	0.01	0.05	0.0076	---	Good	0.0151	0.0155	0.0098	0.049	0.0004	---	Good
PCB 53	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 56 + 60	ng/g	0.0421	0.107	0.01	0.05	0.0649	---	Good	0.0175	0.0178	0.0098	0.049	0.0003	---	Good
PCB 57	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 61 + 74	ng/g	0.062	0.0824	0.01	0.05	0.0204	28	Good	0.0282	0.0113	0.0098	0.049	0.0169	---	Good
PCB 63	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 66 + 80	ng/g	0.0758	0.137	0.01	0.05	0.0612	58	***Poor***	0.0316	0.0158	0.0098	0.049	0.0158	---	Good
PCB 70 + 76	ng/g	0.137	0.209	0.01	0.05	0.072	42	***Poor***	0.0589	0.027	0.0098	0.049	0.0319	---	Good
PCB 77	ng/g	0.0386	0.0777	0.01	0.05	0.0391	---	Good	0.0162	<0.0096	0.0098	0.049	---	---	Good
PCB 81	ng/g	<0.0500	<0.0500	0.05	0.25	---	---	Good	<0.0500	<0.0500	0.05	0.25	---	---	Good
PCB 82	ng/g	0.0368	0.0515	0.01	0.05	0.0147	---	Good	0.0132	0.0127	0.0098	0.049	0.0005	---	Good
PCB 83 + 108	ng/g	<0.0100	0.013	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 84 + 89 + 90 + 101	ng/g	0.225	0.427	0.01	0.05	0.202	62	***Poor***	0.101	0.0797	0.0098	0.049	0.0213	24	Good
PCB 85 + 120	ng/g	0.0428	0.0945	0.01	0.05	0.0517	---	Good	0.0194	0.015	0.0098	0.049	0.0044	---	Good
PCB 86 + 87 + 111 + 115 + 116 + 117 +	ng/g	0.0966	0.181	0.01	0.05	0.0844	61	***Poor***	0.0404	0.0308	0.0098	0.049	0.0096	---	Good
PCB 91	ng/g	0.0159	0.026	0.01	0.05	0.0101	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 92	ng/g	0.0399	0.0755	0.01	0.05	0.0356	---	Good	0.0174	0.0114	0.0098	0.049	0.006	---	Good
PCB 93 + 95	ng/g	0.0703	0.101	0.01	0.05	0.0307	36	Good	0.0284	0.022	0.0098	0.049	0.0064	---	Good
PCB 97	ng/g	0.0281	0.0499	0.01	0.05	0.0218	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 99	ng/g	0.0924	0.182	0.01	0.05	0.0896	65	***Poor***	0.0425	0.0322	0.0098	0.049	0.0103	---	Good
PCB 105 + 127	ng/g	0.1	0.334	0.01	0.05	0.234	108	***Poor***	0.0595	0.0339	0.0098	0.049	0.0256	---	Good
PCB 106 + 118	ng/g	0.25	0.664	0.01	0.05	0.414	91	***Poor***	0.133	0.0895	0.0098	0.049	0.0435	39	Good
PCB 107 + 109	ng/g	0.0201	0.0588	0.01	0.05	0.0387	---	Good	0.0107	<0.0096	0.0098	0.049	---	---	Good
PCB 110	ng/g	0.191	0.382	0.01	0.05	0.191	67	***Poor***	0.0858	0.0639	0.0098	0.049	0.0219	29	Good
PCB 114	ng/g	<0.0100	0.0218	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 123	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 126	ng/g	0.0127	0.0255	0.01	0.05	0.0128	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 128 + 167	ng/g	0.0985	0.276	0.01	0.05	0.1775	95	***Poor***	0.0462	0.0299	0.0098	0.049	0.0163	---	Good
PCB 129	ng/g	0.0172	0.0433	0.01	0.05	0.0261	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 131 + 142 + 146 + 165	ng/g	0.0572	0.138	0.01	0.05	0.0808	83	***Poor***	0.0249	0.0176	0.0098	0.049	0.0073	---	Good
PCB 132 + 168	ng/g	0.0932	0.203	0.01	0.05	0.1098	74	***Poor***	0.0407	0.03	0.0098	0.049	0.0107	---	Good
PCB 135 + 144	ng/g	0.0623	0.125	0.01	0.05	0.0627	67	***Poor***	0.0252	0.0185	0.0098	0.049	0.0067	---	Good
PCB 136	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 137	ng/g	0.0222	0.0495	0.01	0.05	0.0273	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 138 + 163 + 164	ng/g	0.5	1.22	0.01	0.05	0.72	84	***Poor***	0.214	0.144	0.0098	0.049	0.07	39	Good
PCB 139 + 149	ng/g	0.258	0.531	0.01	0.05	0.273	69	***Poor***	0.103	0.078	0.0098	0.049	0.025	28	Good

TABLE 18d

Live Moss Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 6	Plot 6	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation	Plot 9	Plot 9	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation
Date	Unit	27-May-24	27-May-24						27-May-24	27-May-24					
Sample Number		15867240528012	15867240528013						15867240528008	15867240528009					
PCB 141	ng/g	0.092	0.195	0.01	0.05	0.103	72	***Poor***	0.0374	0.0267	0.0098	0.049	0.0107	---	Good
PCB 151	ng/g	0.0662	0.152	0.01	0.05	0.0858	79	***Poor***	0.028	0.0182	0.0098	0.049	0.0098	---	Good
PCB 153	ng/g	0.449	1.1	0.01	0.05	0.651	84	***Poor***	0.186	0.133	0.0098	0.049	0.053	33	Good
PCB 156	ng/g	0.0453	0.129	0.01	0.05	0.0837	---	Good	0.0219	0.0128	0.0098	0.049	0.0091	---	Good
PCB 157	ng/g	0.0112	0.0328	0.01	0.05	0.0216	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 158 + 160	ng/g	0.0485	0.133	0.01	0.05	0.0845	---	Good	0.0205	0.0156	0.0098	0.049	0.0049	---	Good
PCB 159	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	0.0244	0.0098	0.049	---	---	Good
PCB 169	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 170 + 190	ng/g	0.192	0.453	0.01	0.05	0.261	81	***Poor***	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 171	ng/g	0.0323	0.0822	0.01	0.05	0.0499	---	Good	0.014	<0.0096	0.0098	0.049	---	---	Good
PCB 172 + 192	ng/g	0.0264	0.0682	0.01	0.05	0.0418	---	Good	0.0109	<0.0096	0.0098	0.049	---	---	Good
PCB 174 + 181	ng/g	0.13	0.302	0.01	0.05	0.172	80	***Poor***	0.0519	0.0357	0.0098	0.049	0.0162	---	Good
PCB 177	ng/g	0.0696	0.179	0.01	0.05	0.1094	88	***Poor***	0.0271	0.017	0.0098	0.049	0.0101	---	Good
PCB 180	ng/g	0.42	1.07	0.01	0.05	0.65	87	***Poor***	0.181	0.101	0.0098	0.049	0.08	57	***Poor***
PCB 182 + 187	ng/g	0.156	0.405	0.01	0.05	0.249	89	***Poor***	0.0652	0.0424	0.0098	0.049	0.0228	---	Good
PCB 183	ng/g	0.0769	0.197	0.01	0.05	0.1201	88	***Poor***	0.032	0.0218	0.0098	0.049	0.0102	---	Good
PCB 185	ng/g	0.015	0.0335	0.01	0.05	0.0185	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 189	ng/g	<0.0100	0.0177	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 191	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 193	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 194	ng/g	0.1	0.2	0.01	0.05	0.1	67	***Poor***	0.0343	0.0183	0.0098	0.049	0.016	---	Good
PCB 195	ng/g	0.0258	0.0596	0.01	0.05	0.0338	---	Good	0.0105	<0.0096	0.0098	0.049	---	---	Good
PCB 196 + 203	ng/g	0.097	0.218	0.01	0.05	0.121	77	***Poor***	0.0349	0.0212	0.0098	0.049	0.0137	---	Good
PCB 199	ng/g	0.0787	0.184	0.01	0.05	0.1053	80	***Poor***	0.0271	0.0271	0.0098	0.049	0	---	Good
PCB 202	ng/g	<0.0100	0.0253	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 205	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 206	ng/g	0.0183	0.0313	0.01	0.05	0.013	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 207	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 208	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	<0.0098	<0.0096	0.0098	0.049	---	---	Good
PCB 209	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	0.0099	<0.0096	0.0098	0.049	---	---	Good
Total MonoCB	ng/g	<0.014	<0.014	0.014	0.07	---	---	Good	<0.014	<0.014	0.014	0.07	---	---	Good
Total DiCB	ng/g	<0.026	0.044	0.026	0.13	---	---	Good	<0.026	<0.025	0.026	0.13	---	---	Good
Total TriCB	ng/g	<0.033	0.108	0.033	0.165	---	---	Good	<0.032	<0.032	0.033	0.165	---	---	Good
Total TetraCB	ng/g	0.505	0.753	0.065	0.325	0.248	39	Good	0.188	0.1	0.065	0.325	0.088	---	Good
Total PentaCB	ng/g	1.22	2.69	0.041	0.205	1.47	75	***Poor***	0.551	0.391	0.041	0.205	0.16	34	Good
Total HexaCB	ng/g	1.82	4.33	0.041	0.205	2.51	82	***Poor***	0.748	0.549	0.041	0.205	0.199	31	Good
Total HeptaCB	ng/g	1.12	2.81	0.035	0.175	1.69	86	***Poor***	0.382	0.218	0.035	0.175	0.164	55	***Poor***
Total OctaCB	ng/g	0.302	0.706	0.026	0.13	0.404	80	***Poor***	0.107	0.067	0.026	0.13	0.04	---	Good
Total NonaCB	ng/g	0.018	0.031	0.018	0.09	0.013	---	Good	<0.017	<0.017	0.018	0.09	---	---	Good
Total DecaCB	ng/g	<0.0100	<0.0100	0.01	0.05	---	---	Good	0.0099	<0.0096	0.01	0.05	---	---	Good
Total PCB Congeners	ng/g	4.98	11.5	0.109	0.545	6.52	79	***Poor***	1.98	1.32	0.109	0.545	0.66	40	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 18e

Live Moss Quality Control Sample Results - PCB Congeners (HRMS), PCDDs and PCDFs

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation
Date	Unit	29-May-24	29-May-24					
Sample Number		15867240529028	15867240529029					
PCB Congeners								
Total PCB Congeners	mg/kg	0.0913	0.114	0.000001	0.000005	0.0227	22	Good
Lower Bound PCB TEQ	ng/kg	11.9	15	-	---	---	---	---
Mid Point PCB TEQ	ng/kg	11.9	15	-	---	---	---	---
Upper Bound PCB TEQ	ng/kg	11.9	15	-	---	---	---	---
PCDDs								
2,3,7,8-Tetra CDD	pg/g	<0.17	0.19	0.17	0.85	---	---	Good
1,2,3,7,8-Penta CDD	pg/g	0.33	0.47	0.25	1.25	0.14	---	Good
1,2,3,4,7,8-Hexa CDD	pg/g	0.5	0.66	0.32	1.6	0.16	---	Good
1,2,3,6,7,8-Hexa CDD	pg/g	1.87	1.82	0.3	1.5	0.05	3	Good
1,2,3,7,8,9-Hexa CDD	pg/g	1.1	1.3	0.3	1.5	0.2	---	Good
1,2,3,4,6,7,8-Hepta CDD	pg/g	15.7	24.2	0.92	4.6	8.5	43	***Poor***
1,2,3,4,6,7,8,9-Octa CDD	pg/g	50.9	92.7	0.63	3.15	41.8	58	***Poor***
Total Tetra CDD	pg/g	<0.17	0.19	0.17	0.85	---	---	Good
Total TetraCDD Homologues	-	0	1	-	---	---	---	---
Total Penta CDD	pg/g	0.59	3.37	0.25	1.25	2.78	---	***Poor***
Total PentaCDD Homologues	-	1	1	-	---	---	---	---
Total Hexa CDD	pg/g	11.7	16.2	0.32	1.6	4.5	32	Good
Total HexaCDD Homologues	-	6	4	-	---	---	---	---
Total Hepta CDD	pg/g	32.7	55	0.3	1.5	22.3	51	***Poor***
Total HeptaCDD Homologues	-	2	2	-	---	---	---	---
PCDFs								
2,3,7,8-Tetra CDF	pg/g	4.54	5.52	0.31	1.55	0.98	19	Good
1,2,3,7,8-Penta CDF	pg/g	1.71	1.9	0.25	1.25	0.19	11	Good
2,3,4,7,8-Penta CDF	pg/g	2.91	3.46	0.21	1.05	0.55	17	Good
1,2,3,4,7,8-Hexa CDF	pg/g	2.25	2.32	0.32	1.6	0.07	3	Good
1,2,3,6,7,8-Hexa CDF	pg/g	1.7	2.16	0.33	1.65	0.46	24	Good
1,2,3,7,8,9-Hexa CDF	pg/g	<0.49	0.7	0.49	2.45	---	---	Good
2,3,4,6,7,8-Hexa CDF	pg/g	2.1	3.22	0.38	1.9	1.12	42	***Poor***
1,2,3,4,6,7,8-Hepta CDF	pg/g	9.5	11	0.27	1.35	1.5	15	Good
1,2,3,4,7,8,9-Hepta CDF	pg/g	0.98	<2.1	2.1	10.5	---	---	Good
1,2,3,4,6,7,8,9-Octa CDF	pg/g	6.24	6.6	0.4	2	0.36	6	Good
Total Tetra CDF	pg/g	17.5	15.4	0.31	1.55	2.1	13	Good
Total TetraCDF Homologues	-	8	9	-	---	---	---	---
Total Penta CDF	pg/g	18.7	23.5	0.25	1.25	4.8	23	Good
Total PentaCDF Homologues	-	8	7	-	---	---	---	---
Total Hexa CDF	pg/g	10.7	19.9	0.49	2.45	9.2	60	***Poor***
Total HexaCDF Homologues	-	5	9	-	---	---	---	---
Total Hepta CDF	pg/g	9.5	4.4	2.1	10.5	5.1	---	Good
Total HeptaCDF Homologues	-	1	3	-	---	---	---	---
Lower Bound PCDD/PCDF TEQ	ng/kg	2.39	3	-	---	---	---	---
Mid Point PCDD/PCDF TEQ	ng/kg	3.05	3.92	-	---	---	---	---
Upper Bound PCDD/PCDF TEQ	ng/kg	3.16	3.93	-	---	---	---	---
Total TEQ	ng/kg	14.95	18.92	-	---	---	---	---

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 19a

Labrador Tea Leaves Quality Control Sample Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 109	29-May-24	15867240529128	63	<0.010	0.023	90.1	<0.010	20.7	0.0061	0.077	0.024	2.61	56.8	0.095	<0.50	684	0.0121	0.025	0.64	<0.050	<0.0050	5.57	0.028	<0.10	1.62	<0.0020	<0.10	20.8	<0.20
Plot 109	29-May-24	15867240529129	57.7	<0.010	0.023	99.1	<0.010	20.1	<0.0050	0.075	0.023	2.54	56	0.091	<0.50	670	0.0124	0.027	0.66	<0.050	<0.0050	5.84	0.0252	<0.10	1.08	<0.0020	<0.10	20.9	<0.20
Detection Limit (DL)			2	0.01	0.02	0.05	0.01	1	0.005	0.05	0.02	0.1	3	0.02	0.5	0.05	0.005	0.02	0.2	0.05	0.005	0.05	0.002	0.1	0.25	0.002	0.1	0.5	0.2
Reliable Detection Limit (RDL)**			10	0.05	0.1	0.25	0.05	5	0.025	0.25	0.1	0.5	15	0.1	2.5	0.25	0.025	0.1	1	0.25	0.025	0.25	0.01	0.5	1.25	0.01	0.5	2.5	1
Absolute Difference*			5.3	---	0	9	---	0.6	---	0.002	0.001	0.07	0.8	0.004	---	14	0.0003	0.002	0.02	---	---	0.27	0.0028	---	0.54	---	---	0.1	---
Absolute Relative Percent Difference (RPD)*			9	---	---	10	---	3	---	---	---	3	1	---	---	2	---	---	---	---	---	5	11	---	---	---	---	0	---
Duplicate Sample Results Evaluation			Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Plot 402	27-May-24	15867240527101	65.9	<0.010	0.027	103	<0.010	24.1	0.0087	0.086	0.042	3.2	79.4	0.059	<0.50	1050	0.0174	0.034	0.31	<0.050	<0.0050	12.4	0.0108	0.19	1.67	0.0034	<0.10	27.1	<0.20
Plot 402	27-May-24	15867240527102	76.1	<0.010	0.03	94.2	<0.010	23.6	0.0088	0.083	0.044	3.15	79.6	0.061	<0.50	971	0.0173	0.028	0.34	<0.050	<0.0050	11.9	0.0125	<0.10	1.74	0.0032	0.11	25.2	<0.20
Detection Limit (DL)			2	0.01	0.02	0.05	0.01	1	0.005	0.05	0.02	0.1	3	0.02	0.5	0.05	0.005	0.02	0.2	0.05	0.005	0.05	0.002	0.1	0.25	0.002	0.1	0.5	0.2
Reliable Detection Limit (RDL)**			10	0.05	0.1	0.25	0.05	5	0.025	0.25	0.1	0.5	15	0.1	2.5	0.25	0.025	0.1	1	0.25	0.025	0.25	0.01	0.5	1.25	0.01	0.5	2.5	1
Absolute Difference*			10.2	---	0.003	8.8	---	0.5	0.0001	0.003	0.002	0.05	0.2	0.002	---	79	1E-04	0.006	0.03	---	---	0.5	0.0017	---	0.07	0.0002	---	1.9	---
Absolute Relative Percent Difference (RPD)*			14	---	---	9	---	2	---	---	---	2	0	---	---	8	---	---	---	---	---	4	15	---	4	---	---	7	---
Duplicate Sample Results Evaluation			Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 19b

Labrador Tea Leaves Quality Control Sample Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 109	29-May-24	15867240529128	1.28	5410	1550	3880	<20	1330	1020
Plot 109	29-May-24	15867240529129	1.33	5740	1500	3820	<20	1300	960
		Detection Limit (DL)	0.1	20	2	20	20	10	100
		Reliable Detection Limit (RDL)**	---	100	10	100	100	50	500
		Absolute Difference*	0.05	330	50	60	---	30	60
		Absolute Relative Percent Difference (RPD)*	---	6	3	2	---	2	6
		Duplicate Sample Results Evaluation	Good	Good	Good	Good	Good	Good	Good
Plot 402	27-May-24	15867240527101	1.52	6360	1560	5000	<20	1500	1230
Plot 402	27-May-24	15867240527102	1.51	6390	1600	5070	<20	1540	1200
		Detection Limit (DL)	0.1	20	2	20	20	10	100
		Reliable Detection Limit (RDL)**	---	100	10	100	100	50	500
		Absolute Difference*	0.01	30	40	70	---	40	30
		Absolute Relative Percent Difference (RPD)*	---	0	3	1	---	3	2
		Duplicate Sample Results Evaluation	Good	Good	Good	Good	Good	Good	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)
- pH is evaluated based on Absolute Difference (unacceptable if > 0.5)

TABLE 19c

Labrador Tea Leaves Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 6	Plot 6	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation	Plot 9	Plot 9	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation
Date	Unit	27-May-24	27-May-24						27-May-24	27-May-24					
Sample Number		15867240528112	15867240528113						15867240528108	15867240528109					
PCB Congeners															
PCB 1	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 3	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 4 + 10	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 5 + 8	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 6	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 7 + 9	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 11	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 12 + 13	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 15	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 16 + 32	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 17	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 18	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 19	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 20 + 21 + 33	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 22	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 24 + 27	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 25	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 26	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 28 + 31	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 37	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 40	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 41 + 64 + 68 + 71	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 42 + 59	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 43 + 49	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 44	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 45	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 46	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 47 + 48 + 75	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 52 + 73	ng/g	0.375	0.427	0.0717	0.3585	0.052	13	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 53	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 56 + 60	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 57	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 61 + 74	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 63	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 66 + 80	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 70 + 76	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 77	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 81	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 82	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 83 + 108	ng/g	0.0754	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 84 + 89 + 90 + 101	ng/g	0.124	0.123	0.0717	0.3585	0.001	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 85 + 120	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 86 + 87 + 111 + 115 + 116 + 117 +	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 91	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 92	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 93 + 95	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 97	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 99	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 105 + 127	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 106 + 118	ng/g	0.123	0.105	0.0717	0.3585	0.018	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 107 + 109	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 110	ng/g	0.0967	0.0949	0.0717	0.3585	0.0018	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 114	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 123	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 126	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 128 + 167	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 129	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 131 + 142 + 146 + 165	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 132 + 168	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 135 + 144	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 136	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 137	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 138 + 163 + 164	ng/g	0.193	0.165	0.0717	0.3585	0.028	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 139 + 149	ng/g	0.104	0.0935	0.0717	0.3585	0.0105	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good

TABLE 19c

Labrador Tea Leaves Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 6	Plot 6	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation	Plot 9	Plot 9	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation
Date	Unit	27-May-24	27-May-24						27-May-24	27-May-24					
Sample Number		15867240528112	15867240528113						15867240528108	15867240528109					
PCB 141	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 151	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 153	ng/g	0.165	0.148	0.0717	0.3585	0.017	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 156	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 157	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 158 + 160	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 159	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 169	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 170 + 190	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 171	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 172 + 192	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 174 + 181	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 177	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 180	ng/g	0.122	0.0803	0.0717	0.3585	0.0417	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 182 + 187	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 183	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 185	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 189	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 191	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 193	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 194	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 195	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 196 + 203	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 199	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 202	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 205	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 206	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 207	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 208	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
PCB 209	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
Total MonoCB	ng/g	<0.097	<0.101	0.101	0.505	---	---	Good	<0.099	<0.107	0.107	0.535	---	---	Good
Total DiCB	ng/g	<0.182	<0.190	0.19	0.95	---	---	Good	<0.185	<0.201	0.201	1.005	---	---	Good
Total TriCB	ng/g	<0.228	<0.238	0.238	1.19	---	---	Good	<0.232	<0.252	0.252	1.26	---	---	Good
Total TetraCB	ng/g	0.375	0.427	0.304	1.52	0.052	---	Good	<0.296	<0.322	0.322	1.61	---	---	Good
Total PentaCB	ng/g	0.419	0.323	0.296	1.48	0.096	---	Good	<0.288	<0.313	0.313	1.565	---	---	Good
Total HexaCB	ng/g	0.462	0.406	0.296	1.48	0.056	---	Good	<0.288	<0.313	0.313	1.565	---	---	Good
Total HeptaCB	ng/g	<0.239	<0.248	0.248	1.24	---	---	Good	<0.242	<0.263	0.263	1.315	---	---	Good
Total OctaCB	ng/g	<0.182	<0.190	0.19	0.95	---	---	Good	<0.185	<0.201	0.201	1.005	---	---	Good
Total NonaCB	ng/g	<0.119	<0.124	0.124	0.62	---	---	Good	<0.121	<0.131	0.131	0.655	---	---	Good
Total DecaCB	ng/g	<0.0689	<0.0717	0.0717	0.3585	---	---	Good	<0.0698	<0.0759	0.0759	0.3795	---	---	Good
Total PCB Congeners	ng/g	1.26	1.16	0.699	3.495	0.1	---	Good	<0.681	<0.740	0.74	3.7	---	---	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 19d

Labrador Tea Leaves Quality Control Sample Results - PCB Congeners (HRMS), PCDDs and PCDFs

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent	Duplicate Sample Results Evaluation
Date	Unit	29-May-24	29-May-24					
Sample Number		15867240529128	15867240529129					
PCB Congeners								
Total PCB Congeners	mg/kg	0.0104	0.0108	0.000001	0.000005	0.0004	4	Good
Lower Bound PCB TEQ	ng/kg	0.0491	0.0376	-	---	---	---	---
Mid Point PCB TEQ	ng/kg	1.26	0.921	-	---	---	---	---
Upper Bound PCB TEQ	ng/kg	1.36	1	-	---	---	---	---
PCDDs								
2,3,7,8-Tetra CDD	pg/g	<0.42	<0.16	0.42	2.1	---	---	Good
1,2,3,7,8-Penta CDD	pg/g	<0.40	<0.27	0.4	2	---	---	Good
1,2,3,4,7,8-Hexa CDD	pg/g	<0.15	<0.18	0.18	0.9	---	---	Good
1,2,3,6,7,8-Hexa CDD	pg/g	<0.15	<0.18	0.18	0.9	---	---	Good
1,2,3,7,8,9-Hexa CDD	pg/g	0.24	<0.18	0.18	0.9	---	---	Good
1,2,3,4,6,7,8-Hepta CDD	pg/g	2.54	<0.63	0.63	3.15	---	---	Good
1,2,3,4,6,7,8,9-Octa CDD	pg/g	4.5	1.55	0.44	2.2	2.95	---	Good
Total Tetra CDD	pg/g	<0.42	<0.16	0.42	2.1	---	---	Good
Total TetraCDD Homologues	-	0	0	-	---	---	---	---
Total Penta CDD	pg/g	<0.40	<0.27	0.4	2	---	---	Good
Total PentaCDD Homologues	-	0	0	-	---	---	---	---
Total Hexa CDD	pg/g	0.31	<0.18	0.18	0.9	---	---	Good
Total HexaCDD Homologues	-	1	0	-	---	---	---	---
Total Hepta CDD	pg/g	2.54	<0.63	0.63	3.15	---	---	Good
Total HeptaCDD Homologues	-	1	0	-	---	---	---	---
PCDFs								
2,3,7,8-Tetra CDF	pg/g	0.36	0.58	0.34	1.7	0.22	---	Good
1,2,3,7,8-Penta CDF	pg/g	<0.33	<0.22	0.33	1.65	---	---	Good
2,3,4,7,8-Penta CDF	pg/g	<0.23	0.21	0.23	1.15	---	---	Good
1,2,3,4,7,8-Hexa CDF	pg/g	<0.19	0.18	0.19	0.95	---	---	Good
1,2,3,6,7,8-Hexa CDF	pg/g	<0.19	0.14	0.19	0.95	---	---	Good
1,2,3,7,8,9-Hexa CDF	pg/g	<0.23	<0.15	0.23	1.15	---	---	Good
2,3,4,6,7,8-Hexa CDF	pg/g	0.26	0.13	0.23	1.15	0.13	---	Good
1,2,3,4,6,7,8-Hepta CDF	pg/g	0.57	<0.32	0.32	1.6	---	---	Good
1,2,3,4,7,8,9-Hepta CDF	pg/g	<0.59	<0.44	0.44	2.2	---	---	Good
1,2,3,4,6,7,8,9-Octa CDF	pg/g	1	0.62	0.4	2	0.38	---	Good
Total Tetra CDF	pg/g	<0.34	<0.19	0.34	1.7	---	---	Good
Total TetraCDF Homologues	-	0	0	-	---	---	---	---
Total Penta CDF	pg/g	<0.33	<0.22	0.33	1.65	---	---	Good
Total PentaCDF Homologues	-	0	0	-	---	---	---	---
Total Hexa CDF	pg/g	<0.23	<0.15	0.23	1.15	---	---	Good
Total HexaCDF Homologues	-	0	0	-	---	---	---	---
Total Hepta CDF	pg/g	<0.59	<0.44	0.44	2.2	---	---	Good
Total HeptaCDF Homologues	-	0	0	-	---	---	---	---
Lower Bound PCDD/PCDF TEQ	ng/kg	0.0254	0.00065	-	---	---	---	---
Mid Point PCDD/PCDF TEQ	ng/kg	0.617	0.426	-	---	---	---	---
Upper Bound PCDD/PCDF TEQ	ng/kg	1.11	0.686	-	---	---	---	---
Total TEQ	ng/kg	1.877	1.347	-	---	---	---	---

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 20a

Soil Quality Control Sample Results - Polychlorinated Biphenyls (A-PCBs)

Veolia

W ½ 06-067-08 W5M

Sample Point	Start Depth m	End Depth m	Sample Date	MSI Sample Number	Aroclor 1016 mg/kg	Aroclor 1221 mg/kg	Aroclor 1232 mg/kg	Aroclor 1242 mg/kg	Aroclor 1248 mg/kg	Aroclor 1254 mg/kg	Aroclor 1260 mg/kg	Aroclor 1262 mg/kg	Aroclor 1268 mg/kg	Total PCBs mg/kg
Plot 109	Organic	Organic	29-May-24	15867240529216	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
Plot 109	Organic	Organic	29-May-24	15867240529217	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024	<0.024
				Detection Limit (DL)	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
				Reliable Detection Limit (RDL)**	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15
				Absolute Difference*	---	---	---	---	---	---	---	---	---	---
Absolute Relative Percent Difference (RPD)*					---	---	---	---	---	---	---	---	---	---
Duplicate Sample Results Evaluation					Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Plot 109	0.00	0.05	29-May-24	15867240529218	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Plot 109	0.00	0.05	29-May-24	15867240529219	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
				Detection Limit (DL)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
				Reliable Detection Limit (RDL)**	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
				Absolute Difference*	---	---	---	---	---	---	---	---	---	---
Absolute Relative Percent Difference (RPD)*					---	---	---	---	---	---	---	---	---	---
Duplicate Sample Results Evaluation					Good	Good	Good	Good	Good	Good	Good	Good	Good	Good
Plot 109	0.05	0.15	29-May-24	15867240529220	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012	<0.012
Plot 109	0.05	0.15	29-May-24	15867240529221	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
				Detection Limit (DL)	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
				Reliable Detection Limit (RDL)**	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
				Absolute Difference*	---	---	---	---	---	---	---	---	---	---
Absolute Relative Percent Difference (RPD)*					---	---	---	---	---	---	---	---	---	---
Duplicate Sample Results Evaluation					Good	Good	Good	Good	Good	Good	Good	Good	Good	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 20b

Soil Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent Difference (RPD)*	Duplicate Sample Results Evaluation	Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent Difference (RPD)*	Duplicate Sample Results Evaluation
Start Depth		Organic	Organic						0	0					
End Depth		Organic	Organic						0.05	0.05					
Date	Unit	29-May-24	29-May-24						29-May-24	29-May-24					
Sample Number		15867240529216	15867240529217						15867240529218	15867240529219					
PCB Congeners															
PCB 1	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 3	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 4 + 10	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 5 + 8	ng/g	<0.0099	0.0135	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 6	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 7 + 9	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 11	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 12 + 13	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 15	ng/g	<0.0099	0.0318	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 16 + 32	ng/g	<0.0099	0.0145	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 17	ng/g	<0.0099	0.0149	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 18	ng/g	<0.0099	0.0121	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 19	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 20 + 21 + 33	ng/g	<0.0099	0.0171	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 22	ng/g	<0.0099	0.031	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 24 + 27	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 25	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 26	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 28 + 31	ng/g	0.0535	0.348	0.0099	0.0495	0.2945	147	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 37	ng/g	<0.0099	0.0712	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 40	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 41 + 64 + 68 + 71	ng/g	0.0163	0.0643	0.0099	0.0495	0.048	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 42 + 59	ng/g	<0.0099	0.0181	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 43 + 49	ng/g	0.0151	0.0972	0.0099	0.0495	0.0821	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 44	ng/g	<0.0099	0.0237	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 45	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 46	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 47 + 48 + 75	ng/g	<0.0099	0.0606	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 52 + 73	ng/g	0.0164	0.0634	0.0099	0.0495	0.047	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 53	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 56 + 60	ng/g	0.0214	0.0994	0.0099	0.0495	0.078	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 57	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 61 + 74	ng/g	0.024	0.131	0.0099	0.0495	0.107	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 63	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 66 + 80	ng/g	0.0348	0.183	0.0099	0.0495	0.1482	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 70 + 76	ng/g	0.0555	0.296	0.0099	0.0495	0.2405	137	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 77	ng/g	<0.0099	0.0475	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 81	ng/g	<0.0500	<0.0500	0.0717	0.05	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 82	ng/g	<0.0099	0.0435	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 83 + 108	ng/g	<0.0099	0.0163	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 84 + 89 + 90 + 101	ng/g	0.113	0.632	0.0099	0.0495	0.519	139	***Poor***	0.026	0.028	0.025	0.125	0.002	---	Good
PCB 85 + 120	ng/g	0.0202	0.11	0.0099	0.0495	0.0898	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 86 + 87 + 111 + 115 + 116 + 117 +	ng/g	0.0398	0.202	0.0099	0.0495	0.1622	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 91	ng/g	<0.0099	0.0418	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 92	ng/g	0.0177	0.106	0.0099	0.0495	0.0883	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 93 + 95	ng/g	0.0367	0.179	0.0099	0.0495	0.1423	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 97	ng/g	<0.0099	0.0461	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 99	ng/g	0.0493	0.269	0.0099	0.0495	0.2197	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 105 + 127	ng/g	0.0596	0.314	0.0099	0.0495	0.2544	136	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 106 + 118	ng/g	0.124	0.647	0.0099	0.0495	0.523	136	***Poor***	0.035	0.036	0.025	0.125	0.001	---	Good
PCB 107 + 109	ng/g	0.011	0.0606	0.0099	0.0495	0.0496	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 110	ng/g	0.079	0.402	0.0099	0.0495	0.323	134	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 114	ng/g	<0.0099	0.0311	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 123	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 126	ng/g	<0.0099	0.031	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 128 + 167	ng/g	0.0507	0.264	0.0099	0.0495	0.2133	136	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 129	ng/g	<0.0099	0.0521	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 131 + 142 + 146 + 165	ng/g	0.0408	0.206	0.0099	0.0495	0.1652	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 132 + 168	ng/g	0.0438	0.27	0.0099	0.0495	0.2262	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 135 + 144	ng/g	0.033	0.198	0.0099	0.0495	0.165	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 136	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 137	ng/g	0.0101	0.0535	0.0099	0.0495	0.0434	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good

TABLE 20b

Soil Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent Difference (RPD)*	Duplicate Sample Results Evaluation	Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent Difference (RPD)*	Duplicate Sample Results Evaluation
Start Depth		Organic	Organic						0	0					
End Depth		Organic	Organic						0.05	0.05					
Date	Unit	29-May-24	29-May-24						29-May-24	29-May-24					
Sample Number		15867240529216	15867240529217						15867240529218	15867240529219					
PCB 138 + 163 + 164	ng/g	0.281	1.54	0.0099	0.0495	1.259	138	***Poor***	0.081	0.077	0.025	0.125	0.004	---	Good
PCB 139 + 149	ng/g	0.146	0.823	0.0099	0.0495	0.677	140	***Poor***	0.042	0.04	0.025	0.125	0.002	---	Good
PCB 141	ng/g	0.0503	0.281	0.0099	0.0495	0.2307	139	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 151	ng/g	0.0403	0.239	0.0099	0.0495	0.1987	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 153	ng/g	0.257	1.34	0.0099	0.0495	1.083	136	***Poor***	0.086	0.078	0.025	0.125	0.008	---	Good
PCB 156	ng/g	0.0251	0.14	0.0099	0.0495	0.1149	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 157	ng/g	<0.0099	0.0294	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 158 + 160	ng/g	0.0236	0.128	0.0099	0.0495	0.1044	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 159	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 169	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 170 + 190	ng/g	0.132	0.525	0.0099	0.0495	0.393	120	***Poor***	0.037	0.04	0.025	0.125	0.003	---	Good
PCB 171	ng/g	0.0245	0.126	0.0099	0.0495	0.1015	---	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 172 + 192	ng/g	0.0184	0.0829	0.0099	0.0495	0.0645	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 174 + 181	ng/g	0.101	0.504	0.0099	0.0495	0.403	133	***Poor***	0.028	<0.025	0.025	0.125	---	---	Good
PCB 177	ng/g	0.0528	0.286	0.0099	0.0495	0.2332	138	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 180	ng/g	0.254	1.29	0.0099	0.0495	1.036	134	***Poor***	0.102	0.086	0.025	0.125	0.016	---	Good
PCB 182 + 187	ng/g	0.123	0.613	0.0099	0.0495	0.49	133	***Poor***	0.052	0.039	0.025	0.125	0.013	---	Good
PCB 183	ng/g	0.0548	0.282	0.0099	0.0495	0.2272	135	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 185	ng/g	<0.0099	0.0554	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 189	ng/g	<0.0099	0.0187	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 191	ng/g	<0.0099	0.0377	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 193	ng/g	0.0211	0.0902	0.0099	0.0495	0.0691	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 194	ng/g	0.0653	0.265	0.0099	0.0495	0.1997	121	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 195	ng/g	0.0196	0.0977	0.0099	0.0495	0.0781	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 196 + 203	ng/g	0.069	0.311	0.0099	0.0495	0.242	127	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 199	ng/g	0.0603	0.261	0.0099	0.0495	0.2007	125	***Poor***	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 202	ng/g	<0.0099	0.0441	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 205	ng/g	<0.0099	0.0119	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 206	ng/g	0.0137	0.0556	0.0099	0.0495	0.0419	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 207	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 208	ng/g	<0.0099	0.0108	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 209	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
Total MonoCB	ng/g	<0.014	<0.014	0.014	0.07	---	---	Good	<0.040	<0.040	0.04	0.2	---	---	Good
Total DiCB	ng/g	<0.026	0.045	0.026	0.13	---	---	Good	<0.07	<0.07	0.07	0.35	---	---	Good
Total TriCB	ng/g	0.054	0.509	0.033	0.165	0.455	---	***Poor***	<0.100	<0.100	0.1	0.5	---	---	Good
Total TetraCB	ng/g	0.184	1.08	0.064	0.32	0.896	---	***Poor***	<0.11	<0.11	0.11	0.55	---	---	Good
Total PentaCB	ng/g	0.55	3.13	0.041	0.205	2.58	140	***Poor***	<0.10	<0.10	0.1	0.5	---	---	Good
Total HexaCB	ng/g	1	5.56	0.041	0.205	4.56	139	***Poor***	0.21	0.2	0.1	0.5	0.01	---	Good
Total HeptaCB	ng/g	0.782	3.91	0.034	0.17	3.128	133	***Poor***	0.22	0.16	0.1	0.5	0.06	---	Good
Total OctaCB	ng/g	0.214	1.02	0.026	0.13	0.806	131	***Poor***	<0.07	<0.07	0.07	0.35	---	---	Good
Total NonaCB	ng/g	<0.017	0.066	0.017	0.085	---	---	Good	<0.04	<0.04	0.04	0.2	---	---	Good
Total DecaCB	ng/g	<0.0099	<0.0099	0.0099	0.0495	---	---	Good	<0.025	<0.025	0.025	0.125	---	---	Good
Total PCB Congeners	ng/g	2.78	15.3	0.108	0.54	12.52	138	***Poor***	0.43	0.36	0.26	1.3	0.07	---	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 20b

Soil Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent Difference (RPD)*	Duplicate Sample Results Evaluation
Start Depth		0.05	0.05					
End Depth		0.15	0.15					
Date	Unit	29-May-24	29-May-24					
Sample Number		15867240529220	15867240529221					
PCB Congeners								
PCB 1	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 3	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 4 + 10	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 5 + 8	ng/g	0.025	<0.025	0.025	0.125	---	---	Good
PCB 6	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 7 + 9	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 11	ng/g	0.032	<0.025	0.025	0.125	---	---	Good
PCB 12 + 13	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 15	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 16 + 32	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 17	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 18	ng/g	0.044	<0.025	0.025	0.125	---	---	Good
PCB 19	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 20 + 21 + 33	ng/g	0.044	<0.025	0.025	0.125	---	---	Good
PCB 22	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 24 + 27	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 25	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 26	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 28 + 31	ng/g	0.084	<0.025	0.025	0.125	---	---	Good
PCB 37	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 40	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 41 + 64 + 68 + 71	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 42 + 59	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 43 + 49	ng/g	0.027	<0.025	0.025	0.125	---	---	Good
PCB 44	ng/g	0.027	<0.025	0.025	0.125	---	---	Good
PCB 45	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 46	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 47 + 48 + 75	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 52 + 73	ng/g	0.035	<0.025	0.025	0.125	---	---	Good
PCB 53	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 56 + 60	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 57	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 61 + 74	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 63	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 66 + 80	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 70 + 76	ng/g	0.032	0.081	0.025	0.125	0.049	---	Good
PCB 77	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 81	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 82	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 83 + 108	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 84 + 89 + 90 + 101	ng/g	0.052	0.029	0.025	0.125	0.023	---	Good
PCB 85 + 120	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 86 + 87 + 111 + 115 + 116 + 117 +	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 91	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 92	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 93 + 95	ng/g	0.025	<0.025	0.025	0.125	---	---	Good
PCB 97	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 99	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 105 + 127	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 106 + 118	ng/g	0.043	0.041	0.025	0.125	0.002	---	Good
PCB 107 + 109	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 110	ng/g	0.036	<0.025	0.025	0.125	---	---	Good
PCB 114	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 123	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 126	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 128 + 167	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 129	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 131 + 142 + 146 + 165	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 132 + 168	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 135 + 144	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 136	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 137	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good

TABLE 20b

Soil Quality Control Sample Results - PCB Congeners (LRMS)

Veolia

W ½ 06-067-08 W5M

Sample Point		Plot 109	Plot 109	Detection Limit (DL)	Reliable Detection Limit (RDL)**	Absolute Difference*	Absolute Relative Percent Difference (RPD)*	Duplicate Sample Results Evaluation
Start Depth		0.05	0.05					
End Depth		0.15	0.15					
Date	Unit	29-May-24	29-May-24					
Sample Number		15867240529220	15867240529221					
PCB 138 + 163 + 164	ng/g	0.07	0.069	0.025	0.125	0.001	---	Good
PCB 139 + 149	ng/g	0.043	0.035	0.025	0.125	0.008	---	Good
PCB 141	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 151	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 153	ng/g	0.073	0.061	0.025	0.125	0.012	---	Good
PCB 156	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 157	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 158 + 160	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 159	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 169	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 170 + 190	ng/g	<0.025	0.028	0.025	0.125	---	---	Good
PCB 171	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 172 + 192	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 174 + 181	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 177	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 180	ng/g	0.057	0.07	0.025	0.125	0.013	---	Good
PCB 182 + 187	ng/g	0.028	0.03	0.025	0.125	0.002	---	Good
PCB 183	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 185	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 189	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 191	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 193	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 194	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 195	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 196 + 203	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 199	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 202	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 205	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 206	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 207	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 208	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
PCB 209	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
Total MonoCB	ng/g	<0.040	<0.040	0.04	0.2	---	---	Good
Total DiCB	ng/g	<0.07	<0.07	0.07	0.35	---	---	Good
Total TriCB	ng/g	0.172	<0.100	0.1	0.5	---	---	Good
Total TetraCB	ng/g	0.12	<0.11	0.11	0.55	---	---	Good
Total PentaCB	ng/g	0.16	<0.10	0.1	0.5	---	---	Good
Total HexaCB	ng/g	0.19	0.16	0.1	0.5	0.03	---	Good
Total HeptaCB	ng/g	<0.10	0.13	0.1	0.5	---	---	Good
Total OctaCB	ng/g	<0.07	<0.07	0.07	0.35	---	---	Good
Total NonaCB	ng/g	<0.04	<0.04	0.04	0.2	---	---	Good
Total DecaCB	ng/g	<0.025	<0.025	0.025	0.125	---	---	Good
Total PCB Congeners	ng/g	0.64	0.29	0.26	1.3	0.35	---	Good

Notes:

--- - not applicable

* - non-detectable concentrations are assessed at 95% of the detection limit

** - the reliable (reporting) detection limit (RDL) or practical detection limit (PDL) is defined as 5 times the DL

Good - evaluation indicates acceptable reproducibility

Poor - evaluation indicates poor reproducibility

Evaluation of Duplicate Analyses:

- reproducibility is unacceptable if RPD is > 30% for inorganic waters and > 40% for soils and organics
- if RPD is not applicable (---), reproducibility is evaluated based on Absolute Difference (unacceptable if > 2 x RDL)
- if Absolute Difference is not applicable (---), reproducibility is evaluated based on the parameter concentration (unacceptable if > 2 x RDL)

TABLE 21

Quality Control Sample Results-PCB Field Blanks

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Aroclor 1016 mg/kg	Aroclor 1221 mg/kg	Aroclor 1232 mg/kg	Aroclor 1242 mg/kg	Aroclor 1248 mg/kg	Aroclor 1254 mg/kg	Aroclor 1260 mg/kg	Aroclor 1262 mg/kg	Aroclor 1268 mg/kg	Total PCBs mg/kg
Field Blank	27-May-24	15867240527401	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Field Blank	28-May-24	15867240528403	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Field Blank	29-May-24	15867240529404	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Field Blank	30-May-24	15867240530405	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Detection Limit (DL)			0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

Notes:

--- - not analyzed

Italics - value exceeds 2 x detection limit and indicates the results for this parameter may be suspect: further investigation warranted

APPENDIX A
Monitoring Protocol

APPENDIX A1

Updates to Monitoring Program and Moss Bag Washing Protocol

APPENDIX A1

UPDATES TO THE MONITORING PROGRAM

In 2019 an updated protocol for the monitoring program was developed and this protocol is appended as Appendix A2. Since 2019 the following updates have been made to the program:

- Minor adjustments to the moss bag washing protocol outlined below
- At the onset of 2020 the following changes were implemented to the program (Matrix 2020).
  - Live moss will be sampled annually but only analyzed biennially in years 1, 3, and 5 of the 5-year cycle.
  - Moss bags are being deployed and collected annually.

The Triggers for this program were updated in 2020 as follows:

- In years 2 and 4 of the 5-year monitoring cycle, if TEQ levels in the Labrador tea at those plots near the SHTC (plots 4, 11, 109, and 114) exceed the 75th percentile of historical values (last 10 years of data) then the live moss will also be analyzed for PCBs and dioxins/furans.
- A facility upset resulting in offsite emissions of significant magnitude would result in soil and vegetation sampling at selected sites immediately following incident. The number/location of sites and analytical scope would be based on meteorological conditions and the nature of the release.

UPDATES TO THE MOSS BAG WASHING PROTOCOL

The following updates have been made based on observations of metal reductions in subsequent batches of washed peat moss since the acid washing protocol was initiated in 2019:

- The moss is now prepared and washed at Alberta Innovates in Edmonton, Alberta.
- Trace metal grade acid should be used when washing the moss.
- The buckets used to wash the peat moss should be newly purchased and acid rinsed prior to use.
- A switch was made from using deionized water to using water that had been filtered through a Millipore filtration system (Milliq CDOF01205).
- The peat is now soaked for two 24-hour periods at a ratio of 1 part peat to 3 parts dilute acid by volume.
- The peat is dried in a drying room with filtered air so that dust does not collect on the surface of the peat while it is being dried.

Currently the acid washed moss utilized in the moss bags is associated with batches of moss that were washed at Alberta Innovates in 2020 and in the winter of 2021. Metals analysis following the acid washing of these batches is found in Table A1.3.

REFERENCES

Matrix Solutions Inc. (Matrix). 2021. *2020 Soil and Vegetation Monitoring Program Report, Swan Hills Treatment Centre, EPEA Approval No. 00001744-03-00, as Amended*. Version 1.0. Prepared for SUEZ Canada Waste Services Inc. Edmonton, Alberta. March 2021.

Matrix Solutions Inc. (Matrix). 2020. *2020 Proposed Updates Soil Management Program, Swan Hills Treatment Centre, W ½ 06-067-08 W5M, EPEA Approval No. 00001744-03-00, as amended*. Version 1.0. Prepared for SUEZ Canada Waste Services Inc. Edmonton, Alberta. April 27, 2020.

TABLE A1.1

Updated Sampling Schedule

Veolia Waste Services Alberta Inc.

W ½ 06-067-08 W5M

Sample Point	UTM (m)		Sampled Annually	Sampled Biennially	Sampled Every 5 years Only
	Northing	Easting	Years 1 to 5	Years 1, 3 and 5	
Live Moss*					
Plot 4	6071027	615111	x		
Plot 11	6071792	614644	x		
Plot 70	6067388	603071	x		
Plot 71	6090717	610660	x		
Plot 109	6071109	614333	x		
Plot 110	6070621	614146	x		
Plot 114	6070370	615636	x		
Plot 117	6069476	616123	x		
Plot 123	6072155	616302	x		
Plot 402	6070378	622256	x		
Labrador Tea Leaves					
Plot 4	6071027	615111	x		
Plot 11	6071792	614644	x		
Plot 70	6067388	603071	x		
Plot 71	6090717	610660	x		
Plot 109	6071109	614333	x		
Plot 110	6070621	614146	x		
Plot 114	6070370	615636	x		
Plot 117	6069476	616123	x		
Plot 123	6072155	616302	x		
Plot 402	6070378	622256	x		
Soil					
Plot 4	6071027	615111			x
Plot 11	6071792	614644			x
Plot 70	6067388	603071			x
Plot 71	6090717	610660			x
Plot 109	6071109	614333			x
Plot 110	6070621	614146			x
Plot 114	6070370	615636			x
Plot 117	6069476	616123			x
Plot 123	6072155	616302			x
Plot 402	6070378	622256			x
Moss Bag & Lichen Plots					
MB1	6071636	614877	x		
MB2	6071499	615167	x		
MB4	6071042	615113	x		
MB5	6070830	615191	x		
MB9	6071537	616313	x		
MB11	6071793	614620	x		
MB14	6070786	617626	x		
MB15	6071257	614272	x		
MB19	6072437	611431	x		
MB20	6069869	614958	x		
MB22	6068502	615759	x		
MB24	6069288	620330	x		
MB26	6073143	612778	x		
MB50	6075021	611447	x		
MB71	6090717	610660	x		
Expanded Program Plots					
Plot 1	6071499	615180			x
Plot 2	6071680	614875			x
Plot 5	6070876	615167			x
Plot 6	6071317	615555			x
Plot 7	6071148	616122			x
Plot 8	6071068	615921			x
Plot 9	6071376	616251			x
Plot 12	6071306	613823			x
Plot 13	6070904	616908			x
Plot 14	6071087	619130			x
Plot 15	6071310	613824			x
Plot 16	6070606	617622			x
Plot 26	6072436	611432			x
Plot 27	6069869	614958			x
Plot 28	6071785	612645			x
Plot 29	6070373	619636			x
Plot 80	6070420	614497			x
Plot 81	6074838	611636			x
Plot 102	6070994	615418			x
Plot 103	6070659	615169			x
Plot 104	6071516	614425			x
Plot 121	6072855	614343			x

*Live moss is sampled annually but only analyzed in years 1, 3 and 5 of the monitoring cycle

TABLE A1.2

Updated Analytical Schedule

Veolia Waste Services Alberta Inc.

W ½ 06-067-08 W5M

Parameters	Live Moss Annual Plots Year 1 and 3	Labrador Tea Annual Plots Year 1 to 4	Live Moss Annual Plots Year 5	Labrador Tea Annual Plots Year 5	Labrador Tea & Live Moss Expanded Plots Year 5	Soil Annual Plots Year 5	Moss Bags Moss Bag Plots Year 1 to 5
Metals and nutrients[12]	X	X	X	X			
Metals[1]							X
Saturated paste EC/pH	X		X				
Total nitrogen		X		X			
Aroclor PCBs			X				
PCBs (LRMS)					X	X	
PCBs (HRMS)	X	X	X	X			
PCDD/PCDDF	X	X	X	X			

EC - Electrical conductivity

LRMS - Low resolution mass spectroscopy

HRMS - High resolution mass spectroscopy

PAH - Polycyclic aromatic hydrocarbons

PCDD - Polychlorinated dioxins

PCDF - Polychlorinated furans

PCBs - Polychlorinated biphenyls

[1] Includes aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, cobalt, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, thallium, tin, titanium, uranium, vanadium, zinc, zirconium

[2]Nutrients analyzed includes calcium, magnesium, phosphorous, potassium, sodium, sulphur. Labrador tea samples were analyzed for nitrogen.

TABLE A1.3

Acid Washed Moss Batch Results - Alberta Innovates

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Ca mg/kg	Cs mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mg mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	P mg/kg	K mg/kg	Rb mg/kg	Se mg/kg	Ag mg/kg	Na mg/kg	Sr mg/kg	S mg/kg	Te mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Moss 1	04-Jun-20	280	0.054	0.24	4.16	<0.010	0.012	<1.0	0.0166	56	0.0315	0.665	0.155	1.58	313	0.601	<0.50	67.7	12.4	0.0352	0.39	0.43	380	47	0.239	0.072	0.008	25	0.482	---	<0.020	0.0033	0.12	---	0.0386	0.6	4.58	0.68
Moss 2	04-Jun-20	271	0.051	0.242	3.68	<0.010	0.011	<1.0	0.0156	42	0.0308	0.638	0.178	1.43	322	0.556	<0.50	67.7	7.74	0.0348	0.599	0.41	375	32	0.271	0.072	0.0071	26	0.433	---	<0.020	0.0034	0.11	---	0.031	0.56	3.63	0.64
Moss 3	04-Jun-20	237	0.052	0.244	3.44	<0.010	<0.010	<1.0	0.0136	44	0.0307	0.64	0.113	1.43	300	0.55	<0.50	49.6	6.06	0.0337	0.371	0.44	370	33	0.225	0.075	0.0078	24	0.372	---	<0.020	0.0027	0.26	---	0.0312	0.51	5.35	0.5
15867211124001	24-Nov-21	243	0.039	0.292	3.25	<0.010	<0.010	<1.0	0.0088	33	0.0329	0.677	0.151	0.77	236	0.393	<0.50	58.1	5.47	0.0363	0.473	0.27	335	29	0.189	0.107	0.0065	<20	0.35	610	<0.020	0.0029	<0.10	7.35	0.035	0.56	2.27	0.47
15867211124002	24-Nov-21	244	0.035	0.277	3.7	<0.010	<0.010	<1.0	0.0153	35	0.0331	0.679	0.16	0.83	183	0.415	<0.50	66.7	6.08	0.0331	0.471	0.28	316	29	0.195	0.094	0.0067	<20	0.346	590	<0.020	0.0029	<0.10	7.35	0.037	0.56	2.45	0.48
15867211124003	24-Nov-21	236	0.042	0.264	3.01	<0.010	0.01	<1.0	0.0121	31	0.0309	0.786	0.164	0.72	168	0.949	<0.50	57.5	5.68	0.0341	0.47	0.26	303	27	0.183	0.089	0.0069	<20	0.332	580	<0.020	0.003	<0.10	7.11	0.0335	0.53	2.21	0.61

APPENDIX A2

Soil and Vegetation Monitoring Protocol

SOIL AND VEGETATION MONITORING PROTOCOL
SWAN HILLS TREATMENT CENTRE
EPEA APPROVAL NO. 00001744-02-01, AS AMENDED

Prepared for:
SUEZ CANADA WASTE SERVICES INC.

Prepared by:
MATRIX SOLUTIONS INC.

Version 1.0
December 2019
Edmonton, Alberta

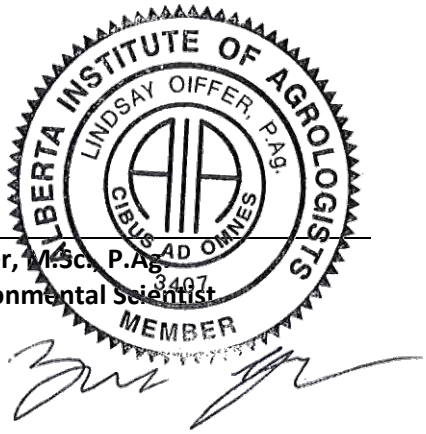
Suite 142, 6325 Gateway Blvd.
Edmonton, AB T6H 5H6
T 780.490.6830 F 780.465.2973
www.matrix-solutions.com

SOIL AND VEGETATION MONITORING PROTOCOL

SWAN HILLS TREATMENT CENTRE

EPEA APPROVAL NO. 00001744-02-01, AS AMENDED

Prepared for SUEZ Canada Waste Services Inc., December 2019



Lindsay Oiffer, M.Sc., P.Ag.
Senior Environmental Scientist

reviewed by

Kelly Ostermann, M.Sc., P.Ag.
Principal Environmental Scientist

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VERSION CONTROL

Version	Date	Issue Type	Filename	Description
V0.1	22-Nov-2019	Draft	15867-503 R 2019-11-22 draft V0.1.docx	Issued to client for review
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1 INTRODUCTION

SUEZ Canada Waste Services Inc. retained Matrix Solutions Inc. to complete the 2015 to 2019 soil and vegetation monitoring program for the Swan Hills Treatment Centre (SHTC), located in the Municipal District of Big Lakes. The monitoring program has been in place since the plant began operation in 1987. Monitoring has been completed annually in the spring or fall since 1988. Baseline samples were collected before operation between 1985 and 1987.

This document outlines the methodology employed to complete the monitoring program and includes updates to the original monitoring protocol which was prepared in 1994 (HBT 1994).

1.1 Monitoring Program Objectives

Forest environments are typically considered to be sinks for atmospheric pollutants, with pollutants being deposited on forest vegetation and eventually being stored within the leaf litter (Nizzetto et al. 2008; Wania and Mclachlan 2001). The objective of the monitoring program is to assess changes in concentrations of chemicals of concern in the forested area surrounding the SHTC. This program is completed in accordance with Section 4.8 of the facility's *Environmental Protection and Enhancement Act* (EPEA) Approval No. 00001744-02-01, as amended.

2 MONITORING PROGRAM SCOPE

During the monitoring program samples are collected and analyzed for the chemical parameters listed in Section 3.3. The monitoring program is based on a 5-year cycle that consists of the following:

- Every year, samples of Labrador tea leaves and live moss are collected at ten annual monitoring plots (Figure 1). Contaminant concentrations in the live moss represent cumulative deposition over a longer time period, whereas, the Labrador tea leaves are representative of deposition which occurred over the previous year.

- Every second year (biannually), 15 moss bag samples are collected from moss bag plots (Figure 1). Concurrent with the collection of the moss bags, lichen health is also assessed at these plots. The moss bag data are used to account for any atmospheric deposition that may be occurring.

- Every 5 years, Labrador tea leaves are sampled from an additional 22 expanded program monitoring plots (Figure 1).

Note that there is a contingency that if live moss PCB concentrations increase by 50% or more over the previous two years, additional sampling would be triggered. This would involve sampling the underlying organic or mineral soil layers in the next sampling period for PCBs.

3 METHODOLOGY

3.1 Plot Selection

3.1.1 Background

Soil and vegetation monitoring plots were established based on plume dispersion models (Bovar-Concord Environmental 1995) and a baseline ecological survey of the plume deposition zone (the study area). Based on the ecological survey the following dominant ecosites were identified within the study area:

- Black spruce - Labrador Tea - feather moss
- Lodgepole pine - black spruce
- Black spruce - sedge-cloudberry - sphagnum

The current monitoring plot locations are located primarily in the black spruce - Labrador tea - feather moss ecosite with some plots situated within the lodgepole pine - black spruce ecosite. There are no plots currently situated in the sedge-cloudberry-sphagnum ecotype as it is not commonly found within the study area.

Moss bag and lichen plots were established initially in 1988 by overlaying a 10 × 20 km grid over the facility oriented in an east-west direction. Initially 50 sites where established with 10 sites situated upwind (west) of the facility and 40 sites situated downwind (east). Between 1988 and 1990 the sites were re-aligned based on updated plume deposition zones. Since 1988 the number of lichen and moss bag plots has been reduced to 15 sites (6 upwind and 9 downwind) to eliminate any redundancies in the data collected.

The location of all the plots within the theoretical depositional zones is summarized in Table A below.

TABLE A Monitoring Plots in each Depositional Zone

Inorganic Parameters		
Zone 1 (>0.2 µg/m³ NO_x)	**Zone 2 (<0.2 µg/m³ NO_x)**	
Plots *4, 5, 15, 20* and 114	Plots *1, 2, 9,* 11*, 14, 19, 22, 24, 26, 50,* 70*,* 71*,* 109*,* 110*,* 117*,* 123*,* and 402	
Organic Parameters		
Zone 1 (>1 ng/m³ PCB)	**Zone 2 (0.5 - 1.0 ng/m³ PCB)**	**Zone 3 (<0.5 ng/m³ PCB)**
Plots 1, 2, 4, 5, 6, 8 11, 12, 15, 80, 102, 103, 104, 109, and 110	Plots 7, 9, 13, 27, 28, 114 and 121	Plots 14, 16, 26, 29, 70, 71, 81, 117, 123, and 402

*4 - underlined denotes annual monitoring plots
**5 - *italics* denotes plots with moss bags and where lichen health is assessed

More recent air emissions modelling completed in 2014 (Zelt PSI 2014) indicated that those plots situated in Zone 1 would still be more likely to receive emissions from the SHTC even though all predicted emission levels have been below threshold values or air quality objectives.

3.1.2 Plot Markings

The location of the monitoring plots is shown on Figure 1 and plot specific direction maps are provided in Appendix A. A diagram of a typical soil and veg plot layout is provided in Figure 2.

Coordinates for the monitoring plots have been verified using a Trimble or Garmin GPS unit between 2015 and 2019. The trail leading to the plots have been marked with blue and pink flagging and white reflective 3M strips. Tree paint was also used in 2016; however, it was found to fade when exposed to sunlight and has not been used since. For some plots a triangle has been added to mark the start of the trail leading to the plot location.

Maintenance work is completed in conjunction with sampling at the plots. Since the expanded program plots are only sampled once every 5 years a site visit is typically planned in year 2 of the program's cycle to ensure maintenance issues are noted. Maintenance at the annual plots is completed annually. Maintenance at the expanded and moss bag plots is typically staggered during the 5 year cycle.

The following maintenance work is completed:

- trail markings leading to the plots are updated e.g. re-marked whenever they are visited.
- plot markings (reflective triangles) and the live moss transect markings are also updated as necessary.
- direction maps are checked and updated as necessary with any details that assist with plot location
- plot coordinates are checked and updated as necessary

If a plot needs to be relocated due to conflicting industrial activities care should be taken to update the plot coordinates, location map and plot markings. The new plot should be established as per Figure 2. Any markings leading to the old plot should be removed to avoid potential confusion with plot access in the future.

3.2 Field Methods

The original monitoring protocol was completed by HBT in 1994 (HBT 1994). Since then, some sampling procedures have been removed from the program and there has been a change in the preparation of the moss bags. The current field methods utilized for this program are outlined below.

The monitoring program is based on a 5-year cycle that consists of the following:

- every year, samples of Labrador tea leaves and live moss are collected at ten annual monitoring plots
- every second year (biannually), 15 moss bag samples are collected from moss bag plots
- every 5 years, Labrador tea leaves are sampled from an additional 22 expanded program monitoring plots

3.2.1 Soil and Vegetation Plots

Live moss samples were collected as per the Monitoring Protocol. This involved collecting subsamples of the live moss layer at the ends and mid-point of a 30 m linear transect established in each monitoring plot (Figure 2; quadrants 1, 5, and 10). The live moss layer includes the green vegetative portion of the moss and associated rhizoids. For each subsample, live moss is collected using gloved hands (nitrile gloves), forest litter is removed (needles and leaves) and then the moss was homogenized in a large plastic ziplock bag. A portion of the moss sample is tightly packed into two to four 500 mL laboratory-supplied glass jars for organic analysis; the volume required is dependent on the analytical schedule. The remaining sample is sealed in the bag for inorganic analysis (approximately 2 L of moss).

Labrador tea leaves are collected in the vicinity of the monitoring plots by gloved hand. Only the previous growing seasons leaves are collected (larger leaves) from the plant. The leaves are homogenized in a large plastic bag then a portion of the leaves are packed in two 500 mL laboratory-supplied glass jars for organic analysis. The remaining sample is sealed in the bag for inorganic analysis (approximately 2 L of leaves). Samples are kept cold (<10 ^{0}C) until they are delivered to the laboratory

Soil samples are collected from the underlying mineral soil using a metal shovel and metal scraping tool. Sub-samples are collected at the ends and mid-point of a 30 m linear transect. A small soil pit is excavated at each location to a depth of at least 15 cm into the mineral soil layer. The face of the pit is cleaned with a small metal scraping tool and then samples of the entire depth of the decomposing moss horizon (fibric, mesic, humic) and mineral soil (0 to 5 cm and 5 to 15 cm) are collected, each depth increment homogenized and placed in laboratory supplied glass jars. Leaf litter layers, if present, are not sampled.

Note that sample volumes will vary depending on the analytical requirements for the specific sampling year. Nitrile gloves are changed at a minimum between plots.

3.2.2 Lichen Plots

There are three lichen health subsites at each of the moss bag plots. The primary species of lichen at these sites is *Hypogymnia physoides.* Lichen health is visually assessed consistent with the methodology employed in previous monitoring programs using the following rating system:

- 3 - no damage, healthy, robust
- 2 - partially damaged, discoloured, deformed necrotic tissue
- 1 - morbid, dead, tissue missing
- 0 - absent

Historically one of the three lichen sub-sites was assessed and if the health rating at this site decreased by one rating point from the previous sampling event, the other sub-sites were also assessed. If all three sub-sites were of a similar health rating, then this decrease in vitality would be considered significant. Since 2016, all sub-sites have been assessed.

Each sub-site is photographed with a digital camera capable of ten megapixel resolution, a monopod was used for stability while photographing. Before photographing the lichen site, a quadrat of known dimensions (9 cm × 20 cm interior dimension) was aligned with two nail markings at the sub-site and placed over the lichen. This was done to provide a measure of scale in the photograph.

Area measurements have not been completed since 1991 as the changes in growth were too insignificant to measure.

Occasionally lichen sites may need to be relocated should the tree hosting the site fall over. When relocating the site the following should be completed:

- A suitable tree within the plot should be selected with lichens growing around 1.5 to 2 m above ground level to avoid the potential for wildlife to remove lichens from the subsite.
- The tree should be flagged with orange flagging.
- Two galvanized or aluminum nails should be driven into the tree beneath the lichen to mark the plot. The spacing of the nails should be noted and consistent with the other lichen subsites at the plot.
- A metal tag identifying the site number should be nailed to the subsite. The tag should be scored to ensure the site number does not fade over time.

3.2.3 Moss Bag Plots

The following section outlines the preparation, construction and collection of moss bags. It should be noted that a temporary field authorization is not required to collect the moss (Weber 2018). Note that acid washing will be added to the program in 2020 based on the trial which occurred between 2017 and 2019 (Matrix 2019).

Moss Bag Preparation (Adapted from Goodarzi et al. 2003)

Undecomposed moss is collected and prepared according to the following steps:

1. Collect 20 to 40 L of fibric (undecomposed) peat moss (*Sphagnum* spp.) in 20 L plastic buckets from a peatland situated near Swan Hills. The location of the peatland is situated north of Swan Hills and east of Highway 33. The location is opposite a cellular communication tower and the Universal Transverse Mercator coordinates for the area are N6068005/E603628.
2. Buckets used for moss collection are rinsed three times with distilled water before use. A metal shovel is used to collect blocks of peat which are then placed in the buckets.
3. Moss is transported to the laboratory within 24 hours of collection and stored at 4°C.
4. Moss is homogenized by hand in a clean laboratory setting and any twigs or leaf litter are removed.

5. The moss is acid washed by soaking for two 12 hour periods in 20 L HDPE buckets containing 0.5 M nitric acid. In between soakings the moss will be rinsed three times with distilled water. After the second soaking, the moss will be rinsed with distilled water until the rinsate is near or above a pH of 4 or until further rinsing is deemed impractical. Metal should not come in contact with the acid bath or the acid soaked moss.
6. The moss will be segregated into smaller aliquots for placement in the moss bags. Each aliquot should yield approximately 8 g of moss dry weight (based on gravimetric moisture correction).
7. The moss will be placed in the moss bag, the top of the moss bag will be sewn shut using nylon thread and the bags will be allowed to air dry to a damp state for ease of storage.

Moss Bag Construction

Moss bags are constructed as per Figure 3. The moss bags are constructed using UV stabilized high density polyethylene scaffold netting with 1.6 mm × 3.2 mm rectangular holes in the mesh. Seams in the bags are made by welding the mesh together with a soldering iron. The pouch containing the moss is closed by hand using weather resistant nylon sowing thread. Before placing moss in the mesh bags they are soaked for one 12 hour period in 0.5 M nitric acid and rinsed three times with distilled water.

Other types of mesh can also be sourced, however, the mesh should not be treated with any chemicals that are being monitored, should be UV resistant, should have a small enough aperture size to contain the moss and should be suitable for plastic welding.

The moss bag holder is prepared using 0.625 cm diameter PVC rods shaped into a slingshot as illustrated on Figure 3. The rod is bent into shape using a heat gun and the holder is bent at a 45^{o} angle to facilitate capture of atmospherically deposited particulate matter and rain fall.

Moss bag holders are installed by pushing or hammering a 1.9 cm ID schedule 80 PVC pipe into the ground to a height of 100 cm above ground surface. The moss bag holders are installed in the PVC and orientated in the direction of the facility.

Moss Bag Collection and Deployment

Following a 2 year (sample program years 2 and 4) or 1 year exposure period (sample program year 5) moss bags are collected using gloved (nitrile) hands and placed in laboratory-supplied ziplock bags. A new unexposed moss bag is placed on the moss bag holder and zip ties are used to secure the moss bag to the holder. All unexposed moss bags are stored in sealed ziplock bags during transport to the field for deployment.

Three unexposed moss bags or un-bagged aliquots of moss are obtained from storage and analyzed to provide an indication of background metal concentrations in the moss used to prepare the moss bags.

3.2.4 Decontamination Methods

The following methods are employed to avoid cross-contamination:

- sampling equipment is decontaminated between plots by washing sequentially with an organic solvent (methanol), laboratory-grade detergent, and lastly, distilled water
- disposable gloves are worn while sampling and are changed between plots or as necessary
- mosquito repellents or other aerosol sprays are not used during the program

3.3 Laboratory Methods

Laboratory analysis for organic parameters has been and is currently completed by ALS Canada. Analysis of inorganic parameters was previously completed by AMEC (pre 2015). Since 2015, ALS Canada has completed most of the inorganic analysis with the exception that Maxxam was contracted to analyze samples for metals between 2015 and 2018 as they where able to use the same method for metal extraction as AMEC.

A summary of sample analysis by plot is provided in Table B.

TABLE B Analytical Program

Parameters	Live Moss Annual Plots Year 1 to 5	Labrador Tea Annual Plots Year 1 to 5	Live Moss Annual Plots Year 5	Labrador Tea Expanded Plots Year 5	Soil Annual Plots Year 5	Moss Bags Moss Bag Plots Year 2, 4, and 5
Metals and nutrients[1]	X	X				
Metals[2]						X
Saturated paste EC/pH	X					
Total nitrogen		X				
Aroclor PCBs			X		X	
PCBs (LRMS)				X		
PCBs (HRMS)	X	X				
PCDD/PCDDF	X	X				

EC - Electrical conductivity
LRMS - Low resolution mass spectroscopy
HRMS - High resolution mass spectroscopy
PAH - Polycyclic aromatic hydrocarbons
PCDD - Polychlorinated dioxins
PCDF - Polychlorinated furans
PCBs - Polychlorinated biphenyls

[1] Includes aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, lithium, manganese, magnesium, mercury, molybdenum, nickel, phosphorous, potassium, selenium, silver, sodium, strontium, sulphate, sulphur, thallium, tin, titanium, uranium, vanadium, zinc, zirconium

[2] Includes calcium, magnesium, phosphorous, potassium, sodium, sulphur. Labrador tea samples were analyzed for nitrogen.

Organic and mineral soil samples are only analyzed in year 5 of the monitoring program if there are detectable concentrations of Aroclor PCBs in the overlying live moss layer. Samples are analyzed from the underlying mineral soil (0 to 5 cm and 5 to 15 cm) until Aroclor PCB concentrations are below the laboratory detection limit.

In year 5, other SVOC and VOC compounds may also be analyzed, however, the exact analytical schedule is determined closer to the end of the monitoring program's cycle.

Samples are shipped to the lab in laboratory supplied containers; once received by the lab the samples are prepared appropriately, depending on the analysis.

- all samples slated for pH/EC and total nitrogen analysis are dried in an oven at an approximate temperature of 55°C and then homogenized in a metal grinder
- vegetation samples slated for metals analysis are dried at 55°C and then cut with ceramic scissors
- all samples slated for organic parameter analysis are analyzed as received

Metal, nutrients, and total nitrogen results are reported on a dry weight basis. Organic results for vegetation (live moss and Labrador tea) samples are reported on a wet weight basis with the exception of Aroclor PCB analysis which is reported on a dry weight basis. All analysis completed in the underlying organic or mineral soil is reported on a dry weight basis. The practices for reporting dry versus air dried weight are consistent with historical conventions.

Analytical methods are summarized in Table C.

TABLE C Analytical Methods

Parameter	Analytical Method
Moss	
Metals	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Mercury	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3, 245.7
pH	Saturated Paste Extract
EC	Saturated Paste Extract
Nutrients	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Total (Aroclor) PCBs	EPA 3570/8082
PCBs (HRMS)	USEPA 1668C[1]
PCDD/PCDF	USEPA 1613B
Labrador Tea	
Metals	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]

Parameter	Analytical Method
Mercury	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3, 245.7
Nutrients	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Nitrogen	Total Nitrogen by combustion
PCBs (LRMS)	SIM GC/LRMS (extracted as per Method 1668C and analyzed using CARB428)
PCBs (HRMS)	USEPA 1668C[1]
PCDD/PCDF	USEPA 1613B
Moss Bags	
Metals	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3/6020A[2]
Mercury	Extracted using "Metals in Animal Tissue and Vegetation (Biota) - Prescriptive" Method/Analyzed using USEPA 200.3, 245.7
Soil	
Total (Aroclor) PCBs	EPA 3570/8082

[1] Where the PCB 126 and 169 peaks appeared to be broader than expected on the chromatogram the sample extract was passed through a carbon column to better resolve the co-planar PCB fraction

[2] Collision cell interface was used on ICPMS

3.4 Archiving

Any unused sample volume which remains following sample analysis are air dried, placed in sealed coolers or boxes and sent to the Alberta Energy Regulator's Core Research Centre in Calgary, Alberta.

Samples should be labelled so the label remains visible over the long term. A sample legend should be included with each shipment indicating the sample ID, corresponding plot ID, sample matrix, date collected and volume of sample archived. This sample legend should also be provided to SUEZ for their records.

3.5 Data Analysis

The purpose of the data analysis is to identify any increasing trends in the data that may be reflective of emissions from the SHTC or decreasing trends in those chemicals which have accumulated in the terrestrial environment from past emissions. Contaminant data tends to be asymmetrically distributed; for simplicity, statistical measures that are robust to non-normal distributions were used (median, minimum, maximums, and percentiles) when evaluating data from the soil and vegetation plots.

Data analysis is divided into three time periods; short term trends (between years), medium term trends (5 years) and long term trends (>5 years). At the analysts discretion it may be appropriate to further subdivide the longer term trend analysis.

When evaluating the moss bag data and comparing values between depositional zones (Table A; Zones 1 and 2) the data has been normally distributed and the mean and standard error are used to compare average values over time.

TEQs values are calculated for PCDD/PCDF and co-planar PCBs using the World Health Organization's 2005 TEQ factors (Van den Berg et al. 2006) consistent with previous monitoring programs (AMEC 2015). When calculating the TEQ value, non-detect values were set equal to half the laboratory's method detection limit. As TEQ values approach background levels they are more likely to be affected by changes in the detection limit for the congeners used to calculate the TEQ.

The following summarizes the basic data analysis which is completed, it is possible that additional analytical methods are not included here but may be warranted.

3.5.1 Annual Monitoring Plots

The following analytical approaches are employed when evaluating the Annual Monitoring Plot Data:

- Comparison of the current year's and previous years' data: An increase or decrease of at least 40% was considered to be a substantial change. A value of 40% was selected as it is a typical amount of variability in soil samples and is commonly used when evaluating duplicate soil data. Also this value was chosen based on the relative percent difference (RPD) reported for blind duplicate samples in current and past monitoring events (Matrix 2017).

- Trend graphs are used to compare the concentrations of selected parameters over a 5-year period at plots 4, 11, 70, 71, 109, and 114. These plots are considered to be representative of conditions immediately surrounding the SHTC (plots 4, 11, 109, and 114) and background conditions (plots 70 and 71). Consistent with previous programs, plot 70 (organic parameter trend graphs) or plot 71 (inorganic parameter trend graphs) are included for comparison. The purpose of this analysis is to evaluate any temporal trends in the data.

- Mann-Kendall analysis (Kendall 1975) is used to confirm any significant long-term temporal trends (p-value < 0.05) that may be evident in the data. As Mann-Kendall requires at least six data points, it is not suitable for detecting short-term trends.

- Box plots are used to compare the most recent data against historical medians and ranges. The box plots also allow for spatial comparisons between plots. The sample plots shown on the box plots are arranged based on distance from the SHTC, and historically spatial trends in chemical concentrations have been related to distance from the facility (AMEC 2015).

3.5.2 Moss Bag

The following analytical approaches were employed for the moss bag data:

- Trend graphs are used to compare the concentrations of selected parameters over a 5-year period at plots 4, 11, 15, 20, and 71. These plots are considered to be representative of conditions immediately surrounding the SHTC (plots 4, 11, 15, and 20) and background conditions (plot 71). As plots 109 and 114 do not have moss bags, the nearest moss bag plots (plots 15 and 20) are used to relate changes in moss bag chemical concentrations to the live moss and Labrador tea. The purpose of this analysis is to evaluate any temporal trends in the data.

- Trend graphs are prepared for Zones 1 and 2 using the average values reported during each sampling event. The 25^{th} and 75^{th} percentile values obtained for each parameter in the unexposed moss samples since 2019 are used as control bounds on the graph.

- The average values for metal parameters of concern in Zones 1 and 2 and the unexposed moss bags are compared to determine if there are any significant differences using analysis of variance (ANOVA). If the average values for these three groups are significantly different, the Tukey test is used to complete additional post-hoc pairwise comparisons of the groups to determine more precisely which groups are considered to be significantly different. Normality and homogeneity of variances between groups are evaluated using the Shapiro-Wilk and Levene's tests. The data for some chemical parameters may have to be log transformed if the distribution of the data does not meet the assumptions of normality or the variances between groups is not homogenous.

- Mann-Kendall analysis (Kendall 1975) is used to confirm any significant long-term temporal trends (p-value < 0.05) for each zone using the cenken method, which allows for the analysis of censored data (non-detects).

3.5.3 Lichen Health Data

Lichen health is evaluated by comparing the current health rating at each site to the previous years rating. A representative photograph of each site and subsite are appended to the report. The digital image files should be stored in jpg format for a period of 10 years.

Area measurements of the lichen have not been completed since 1991, however, photos should be taken with a scale indicator (quadrat) should it become necessary to determine and compare the lichen's surface area.

3.5.4 Expanded Program Plots

PCB concentrations in the Labrador tea leaves at the expanded and annual plots are contoured and a figure is generated depicting the spatial concentrations of PCBs. Previously, an inverse distance weighting approach has been employed to interpolate between data points, although other statistical methods can be used if appropriate. The spatial extent of PCB concentrations relative to the treatment center is compared to contours of historical spatial data from 2004 onwards to determine if there has been a change in the spatial extent of PCB accumulation in the vegetation.

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Easting (m)

611000 612000 613000 614000 615000 616000 617000 618000 619000 620000 621000 622000

Northing (m)

6076000 6075000 6074000 6073000 6072000 6071000 6070000 6069000 6068000 6067000

Saddleback River

Cowper Creek

67-9-W5

67-8-W5

66-9-W5

66-8-W5

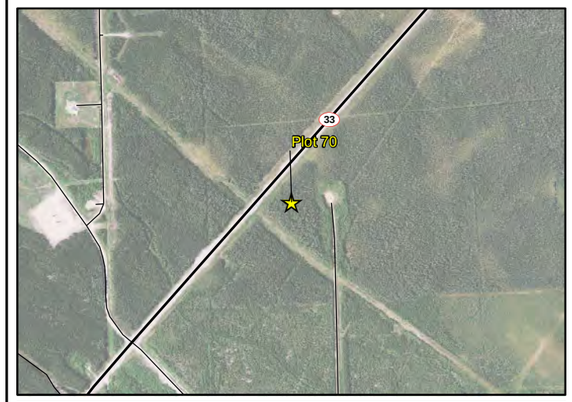
MB50 Plot 81 MB26 Plot 121 MB19 Plot 26 Plot 28 Plot 15 Plot 11 MB11 Plot 1 MB2 Plot 2 Plot 104 Plot 6 Plot 12 MB15 MB1 Plot 109 Plot 4 MB4 Plot 5 MB5 Plot 102 Plot 8 Plot 7 Plot 9 Plot 123 MB9 Plot 13 Plot 14 MB14 Plot 16 Plot 29 Plot 402 Plot 110 Plot 114 Plot 103 Plot 80 MB20 Plot 27 Plot 117 MB24 (Former) MB24 MB22

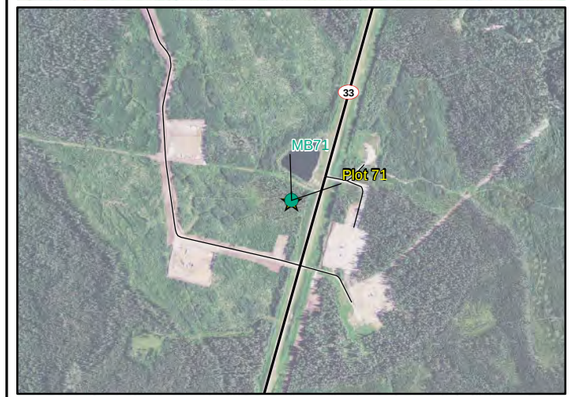
Road

Annual Monitoring Location

Expanded Program Monitoring Location

Moss Bag Monitoring Location





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420 0 420 840

NAD 1983 UTM Zone 11N

Reference: Data obtained from AltaLIS © Government of Alberta used under license.
GDM transportation infrastructure data provided by IHS © 2017 used under license.
Imagery (2014) obtained from Valtus © (2017) used under license.

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ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Soil and Vegetation Plots

Date:	Project:	Submitter:	Reviewer:
Sep 2017	15867	L. Oiffer	K. Ostermann

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Figure 1

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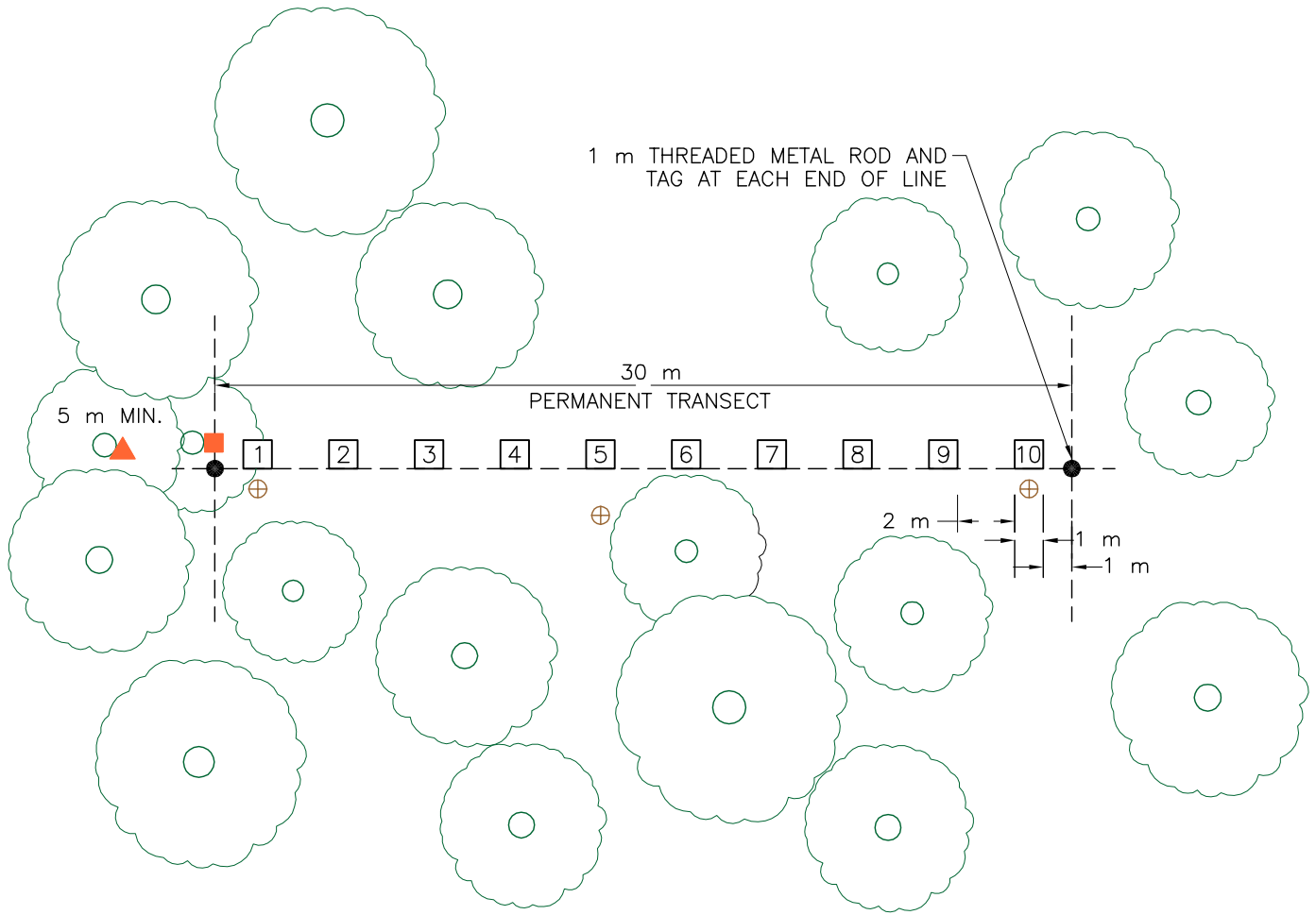

LEGEND

- 9 — VEGETATION QUADRANTS
- ⊕ — **Soil/Live Moss Sampling Site**
- ▲ — ORANGE TRIANGLE (40x40 cm) ATTACHED TO A TREE TRUNK IS IN GENERAL AREA OF TRANSECT ORIGIN
- ■ — ORANGE RECTANGULAR TAG (5x7 cm) ATTACHED TO A TREE TRUNK – TRANSECT START WITHIN 1.0 m OF TREE
- ○ — TREE CANOPY

Reference: Reproduced from HBT Agra Ltd. 1994.

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SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre W1/2-06-067-08 W5M

Typical Soil and Vegetation Sampling Plot

Date:	Project:	Technical:	Reviewer:	Drawn:
January 2016	15867-VEG-16	L. Oiffer	K. Ostermann	G. Stein

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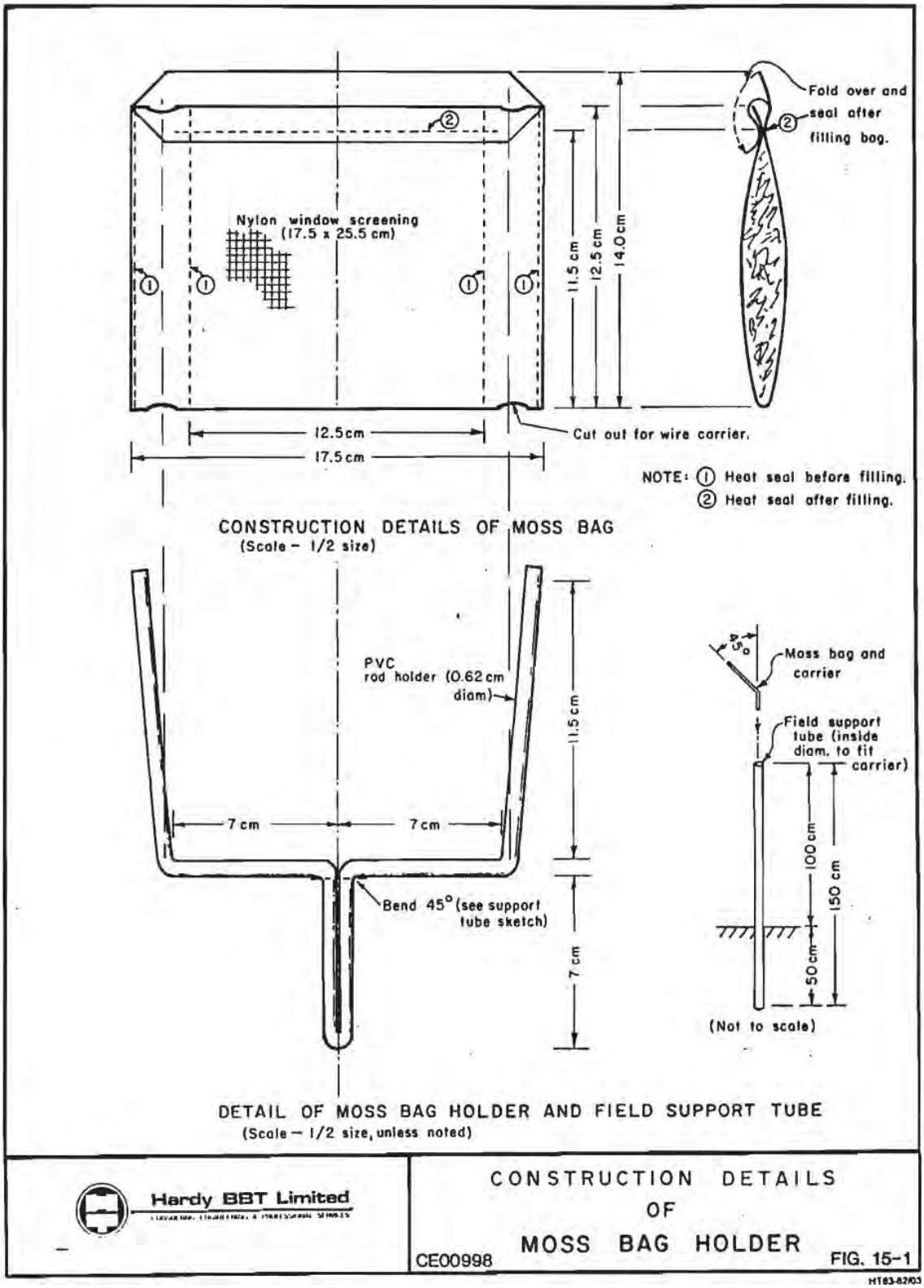
Figure 2



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SUEZ – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Moss Bag Construction

Date:	Project:	Technical:	Reviewer:	Drawn:
	15867-503			

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Figure 3

TABLE 1 Changes to the Monitoring Program

Year Initiated	Description (Soils and Vegetation Monitoring Program)
Pre-Operational (Baseline) Monitoring	
1984	Mapped vegetation/soil units (ecosites) in 8 km^2 area around the plant site.
1985	Select and sample three major ecosites; data included: 1. Vegetation cover. 2. Chemical analysis of vegetation tissue: Macronutrients % (calcium, potassium, magnesium, nitrogen, phosphorus, sulphur); micronutrients (boron, chloride, cobalt, copper, iron, manganese, molybdenum, sodium, zinc); inorganic trace elements (aluminum, barium, beryllium, cadmium, chromium, fluoride, lead, mercury, nickel, silver, titanium, tungsten, vanadium); inorganic trace elements (cyanide, polychlorinated biphenyls [PCBs], phenol). 3. Chemical analysis of soils: pH, electrical conductivity, soluble cations and anions, metals (aluminum, arsenic, barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, phosphorus, potassium, silver, sodium, tin, titanium, tungsten, vanadium, and zinc); fluoride; cyanide; phenols; PCBs, pesticides, EPA priority pollutants, naturally occurring organic compounds; and hydrocarbons.
1986	Vegetation stress assessment in 200 km^2 area around plant; data included: 1. Aerial photograph interpretation of stressed areas. 2. Field assessment of selected stress areas.
1986	Establishment of lichen – moss grid in 200 km^2 area around plant; data included: 1. Lichens – area measurements. 2. Mosses – analysis for trace elements.
Operational Monitoring	
1988	Map vegetation/soil units (ecosites) in area defined by plume dispersion model (120 km^2).
1988	Select and sample three major ecosites (including baseline plots) within the plume deposition zones. Data included: 1. Chemical analysis of vegetation tissue. 2. Chemical analysis of soils.
1988	Realignment of lichen – moss grid within the plume deposition zones. Data included: 1. Lichens – area measurements. 2. Mosses – analysis for trace elements.

Year Initiated	Description (Soils and Vegetation Monitoring Program)
1991	Program revised to reduce sampling of soil and vegetation plots from 40 to 20 plots for organic analysis and specifically only 12 plots for total PCB analysis. Moss bag and lichen plots reduced from 23 to 15. Vegetation health assessment completed in 100 km^2 area in 1991; data included air photo interpretation and field assessment of stressed areas.
1997/1998	Program expanded to include nine regional plots in 1997 and 1998. Additional receptors sampled including: willow, berries, tree lichens, and snow sampled between 1997 and 1998. Vegetation health assessment was completed in 1997. Winter sampling and chemical analysis at selected plots in 1997 and 1998.
2000	Program revised to reduce sampling of soil and vegetation plots to ten for inorganic and organic chemical analysis. Added congener specific PCB and dioxin and furan analysis. Expanded program to be implemented every 5 years (2004, 2009, 2014, and 2019) with an additional 22 plots to be sampled. Added additional triggers for further monitoring.
2004	Completed a vegetation health assessment in 2004 only.
2006	Program schedule revised to spring (April/May) so Labrador tea leaves sampled after 1 year of exposure. Moss bag and lichen program exposure period extended to 2 years.
2007	Lichen and moss bag Site 22 was moved closer to the SHTC into a non-productive forest stand to avoid being disturbed by forest harvesting activities.
2009	The vegetation health assessment was removed from the expanded program. Relocated the soil and vegetation Plot 70 to be consistent with the wildlife plot. Re-sampled the 10 standard plots and plots 1, 2, 15, and 104 following a fire at the SHTC which occurred on July 11, 2009.
2010	In addition to the regular sampling program at ten sites in the spring of 2010, four plots (1, 2, 15, and 104) sampled in 2009 related to the SHTC fire were sampled again in July 2010. The analytical scope was increased to include congener PCBs and dioxins/furans at each sampling location.
2012	Implemented preliminary interpretation of the results as soon as they are available to assist with monitoring of trends recently observed in wildlife results from plots 109 and 110. Reviewed aroclor and congener-specific PCB analysis and a decision was made to analyze for PCBs using both methods.
2013	Plot #28 was re-established due to its proximity to a proposed oil and gas lease.

Year Initiated	Description (Soils and Vegetation Monitoring Program)
2015	Aroclor PCB analyses deleted from the standard monitoring program scope. Plot 28 was added to the standard program for both soils and vegetation and sampled in 2015 only to confirm Aroclor PCB concentrations reported in 2014.
2017	An acid washing procedure was trialled on the moss used in the moss bags, to see if it would be effective in lowering the concentration of metals in the unexposed moss. Acid washed moss bags were deployed at three sites and preliminary results showed that metal concentrations in the unexposed moss were reduced. A dustfall sampler trial was performed to see if they would be an effective replacement for moss bags. Dustfall samplers were deployed at 3 sites and based on the results of this limited trial it was determined that this methodology appears to be more suited to sampling coarser windblown particulates and is not adaptable to sampling finer particulates that would be associated with metal deposition from the SHTC's emissions.
2018	Acid-washed and conventional moss bag media were deployed at all sites for analysis in 2019. A comparison between the current method of extracting metals from soil (USEPA Method 3050) and a more common method (Strong Acid Leachable Metals) indicated that there was no significant difference between the results obtained using either method.
2019	A further comparison was made between the SALM method, which is for extracting metals from soils, and USEPA method 200.3, which is for tissue. There was no significant difference between the methods. A decision was made to switch to USEPA 200.3 when extracting metals from the moss and Labrador tea samples as the detection limits were lower. The acid washing trial was completed and a letter was prepared recommending that moss bags be acid washed as a preparation step to reduce the variability of metal concentrations in the unexposed moss. PAHs, VOCs and SVOCs were analyzed in live moss samples An additional background location was sampled to ensure a better representation of background PAH, VOC and SVOC levels. Labrador tea leaves from the expanded program plots were analyzed for PCBs using a low-resolution mass spectrometry method. The green leafy portion of the live moss at select annual plots was clipped and analyzed for congener PCBs and PCDD/DF.

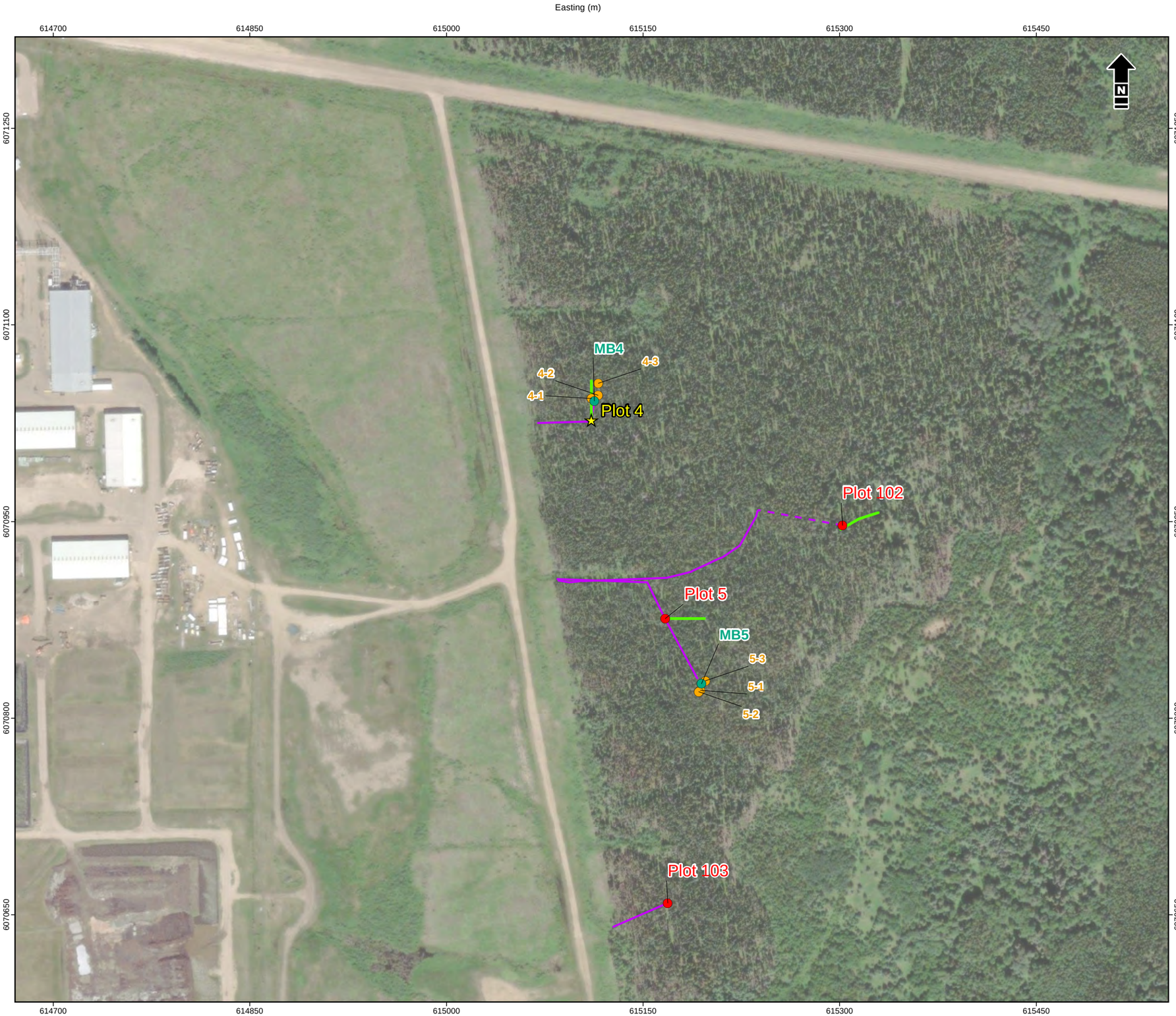
APPENDIX B
Plot Photographs

Soil and Vegetation Plot

Moss bag holder

Lichen sub-site

APPENDIX B
Plot Location Maps



- Approximate Transect Orientation
- Approximate Trail
- Trail
- Annual Monitoring Location
- Expanded Program Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:3,000 metres
30 0 30 60
NAD 1983 UTM Zone 11N

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Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB4, MB5, Plot 4, Plot 5, Plot 102, Plot 103

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1a

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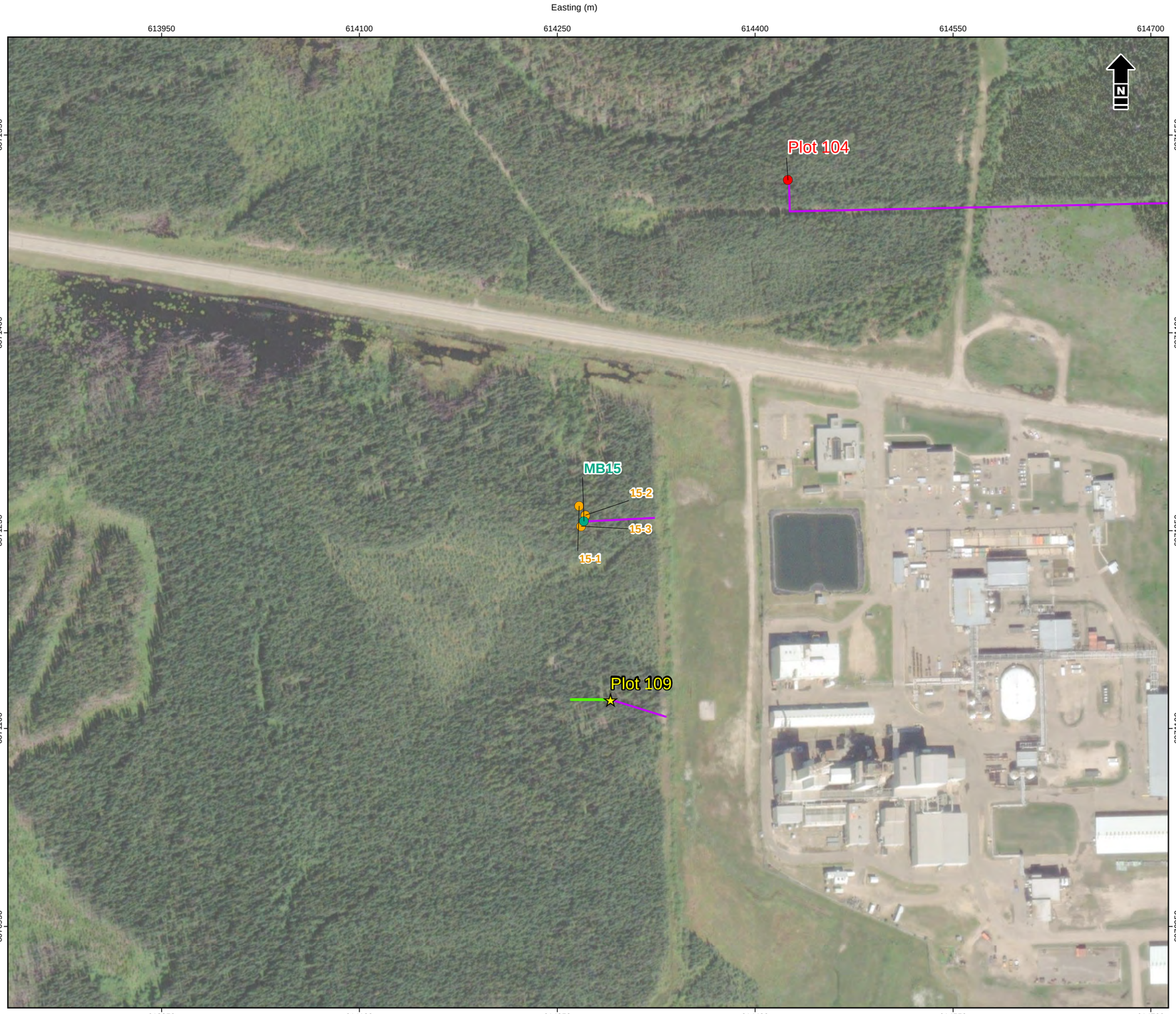

Approximate Transect Orientation
Trail
Annual Monitoring Location
Expanded Program Monitoring Location

Vegetation Point

Lichen
Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:3,000 metres
30 0 30 60
NAD 1983 UTM Zone 11N

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SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB15, Plot 104, Plot 109

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1b

I:\SUEZCanadaWasteServices\15867\Figures\ArcMaps\MON2023\SS&V\Figure-1-Field_Access_Map.mxd – Tadrod_L - 23-May-23, 02:11 PM - dcontese - TID005

Easting (m)

613350 613500 613650 613800 613950 614100

Northing (m)

6071550 6071400 6071250 6071100 6070950

Approximate Transect Orientation

Trail

Expanded Program Monitoring Location

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign. Flagging near roadway is sometimes degraded.

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1:3,000 metres

30 0 30 60

NAD 1983 UTM Zone 11N

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 12

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1c

I:\SUEZCanadaWasteServices\15867\Figures\ArcMaps\MXD\2023GSA\VF\Figure-1-Field_Access_Map.mxd - TaWood_L - 23-May-23, 02:11 PM - dcortese - TID005

Easting (m)

614550 614700 614850 615000 615150 615300

Northing (m)

6072000 6071850 6071700 6071550 6071400

N

MB11
11-1
11-2
11-3
Plot 11
Cross beaver dam here
Snow gauge located here
Plot 1
Plot 2

- Approximate Transect Orientation
- Trail
- Annual Monitoring Location
- Expanded Program Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:3,000 metres

30 0 30 60

NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB1, MB2, MB11, Plot 1, Plot 2, Plot 11

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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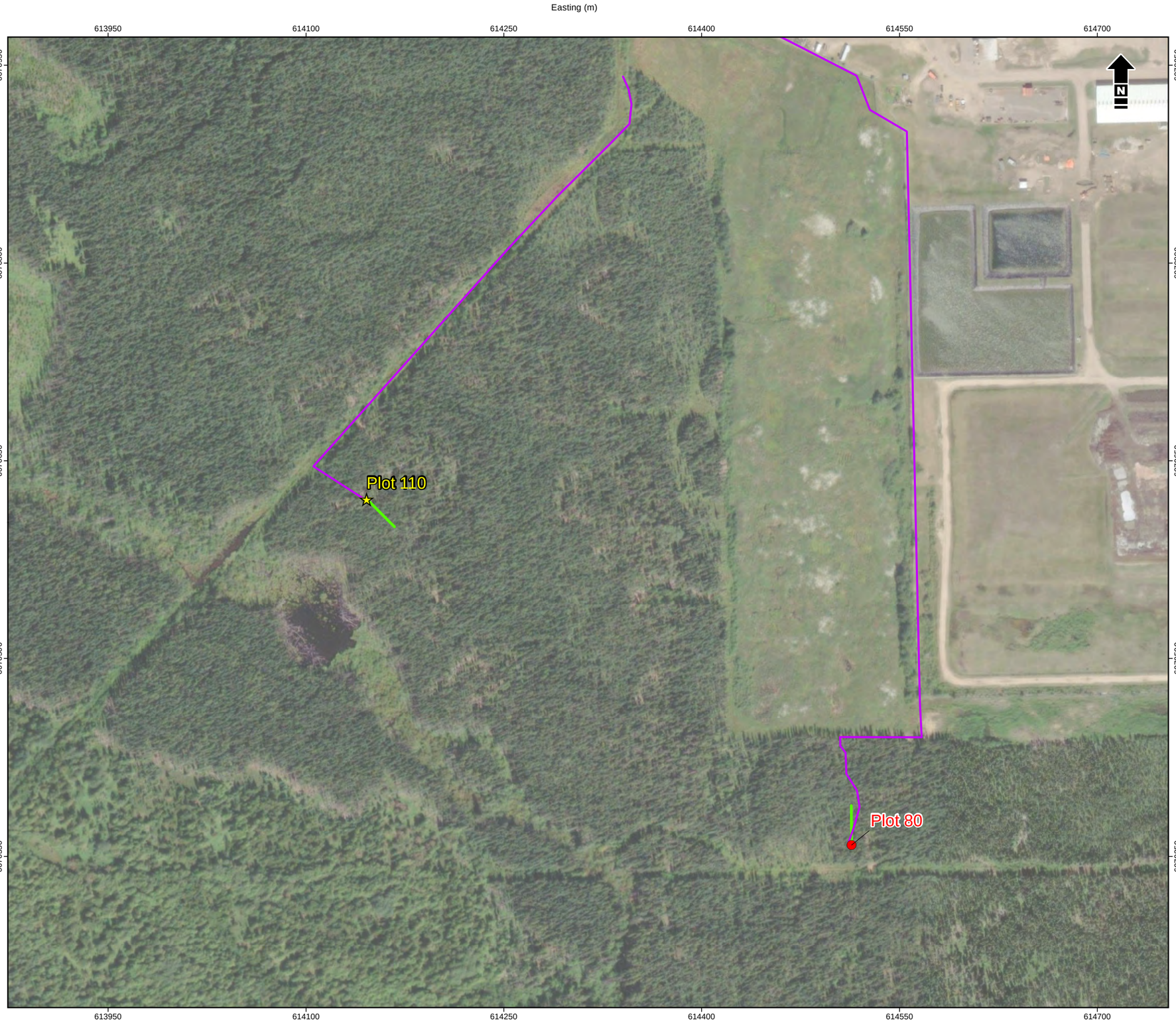
Figure 1d

I:\SUEZCanadaWasteServices\15867\Figures-And-Tables\MON2023\SAV\Figure 1-Field_Access_Map.mxd - TaiBod_L - 23-May-23, 02:11 PM - dcortese - TIO005



Approximate Transect Orientation
Trail
Annual Monitoring Location
Expanded Program Monitoring Location

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:3,000 metres
30 0 30 60
NAD 1983 UTM Zone 11N

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SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 80, Plot 110

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1e

I:\SUEZCanadaWasteServices\15867\Figures\AndTables\MON2023\5&V\Figure 1-Field_Access_Map.mxd - TaitJod_L - 23-May-23, 02:11 PM - dcortes - TID005

Approximate Transect Orientation
Approximate Trail
Trail
Expanded Program Monitoring Location

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:3,000 metres
30 0 30 60
NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 6, Plot 7, Plot 8, Plot 9

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1f

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Easting (m)

614400 614550 614700 614850 615000 615150 615300 615450 615600 615750 615900 616050 616200 616350 616500 616650

Northing (m)

6070350 6070200 6070050 6069900 6069750 6069600 6069450 6069300 6069150 6069000 6068850 6068700 6068550

Plot 114

Road passed south pond is ATV/or foot access only

Overgrown cutline - Argo or foot access

MB20

20-2

Plot 27

20-3

20-1

Trail is flagged with white reflective strips east side cutline/cutblock, follow creek to plot 117

Plot 117

Watch out for bridges on trail near MB22, they are in poor condition

22-3

MB22

22-2

22-1

N

- Approximate Transect Orientation
- Approximate Trail
- Trail
- Approximate Transect Orientation (New)
- Annual Monitoring Location
- Expanded Program Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

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1:8,000 metres

80 0 80 160

NAD 1983 UTM Zone 11N

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ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB20, MB22, Plot 27, Plot 114, Plot 117

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1g

I:\SUEZCanadaWasteServices\15867\Figures\ArcMTables\MON2023\SAVFigure-1-Field_Access_Map.mxd - Tabloid_L - 23-May-23, 02:12 PM - dcortese - TID005

Easting (m)

620550 620700 620850 621000 621150 621300 621450 621600 621750 621900 622050 622200 622350 622500

Northing (m)

6071250 6071100 6070950 6070800 6070650 6070500 6070350 6070200 6070050 6069900 6069750 6069600

Approximate Transect Orientation

Trail

Annual Monitoring Location

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:7,000 metres

70 0 70 140

NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 402

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1h

I:\SUEZCanadaWasteServices\15867\Figures\AndTables\MON2023\S&V\Figure 1-Field_Access_Map.mxd - Talford_L - 23-May-23, 02:12 PM - dcotrese - TID005

Easting (m)

616950 617100 617250 617400 617550 617700

Northing (m)

6071100 6070950 6070800 6070650 6070500

- Approximate Transect Orientation
- Trail
- Expanded Program Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:3,000 metres

30 0 30 60

NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB14, Plot 13, Plot 16

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1i

I:\SUEZCanadaWasteServices\15867\Figures\ArcdTables\MON2023GIS\VFigure-1-Field_Access_Map.mxd - TaWood_L - 23-May-23, 02:12 PM - dcontese - TID005

Easting (m)

615750 615900 616050 616200 616350 616500 616650 616800 616950

Northing (m)

6072150 6072000 6071850 6071700 6071550 6071400 6071250

Plot 123

Chrystina Lake Campgroud

MB9

9-3

9-1

9-2

N

- Approximate Transect Orientation
- Approximate Trail
- Trail
- Annual Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

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1:4,500 metres

40 0 40 80

NAD 1983 UTM Zone 11N

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SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB9, Plot 123

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1j

I:\SUEZ Canada Waste Services\15867\Figures\ArcMap\Tables\MON2023\S&V\Figure-1-Field_Access_Map.mxd - Tabloid_L - 23-May-23, 02:12 PM - dcantese - TID005

Easting (m)

613200 613350 613500 613650 613800 613950 614100 614250 614400 614550 614700

Northing (m)

6072900 6072750 6072600 6072450 6072300 6072150 6072000 6071850 6071700 6071550

N

Cutline is Wet
Wear Boots

Plot 121

Plot 15

Access from clearing off road small Telus type pedestal at entrance

MB11

11-3

11-1

11-2

- Approximate Transect Orientation
- Trail
- Expanded Program Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign. Found 2 marked locations for Plot 121 in 2019 - there is a location situated further north of the actual plot that is marked with a metal tag but nothing else and is not considered to be the actual plot.

1:6,000 metres

60 0 60 120

NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 15, Plot 121

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1k

I:\SUEZCanadaWasteServices\15867\Figures\ArcMaps\MXD\2023\S&V\Figure-1-Field_Access_Map.mxd - TaylorL_L - 23-May-23, 02:12 PM - dcontese - TID005

Easting (m)

612450 612600 612750 612900 613050 613200

Northing (m)

6072000 6071850 6071700 6071550 6071400

Approximate Transect Orientation

Trail

Expanded Program Monitoring Location

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

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1:3,000 metres

30 0 30 60

NAD 1983 UTM Zone 11N

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 28

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1l

I:\SUEZ\CanadaWasteServices\15867\Figures\ArcMaps\MXD\2023\SA\VF\figure-1-Field_Access_Map.mxd - TbWood_L - 23-May-23, 02:12 PM - dcortese - TID005

Trail

Expanded Program Monitoring Location

Vegetation Point

Lichen

Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:4,000 metres

40 0 40 80

NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB19, Plot 26

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1m

I:\SUEZCanadaWasteServices\15867\Figures-And-Tables\MON2023\SAV\Figure 1-Field_Access_Map.mxd - TaitGod_L - 23-May-23, 02:12 PM - dcortese - TID005

Easting (m)

611700 611850 612000 612150 612300 612450 612600 612750 612900

Northing (m)

6073650 6073500 6073350 6073200 6073050 6072900 6072750 6072600

N

MB26

26-1

26-3

26-2

Oilfield Road

Pipeline ROW
Not Truck Accessible

Trail

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

1:4,500

metres

40 0 40 80

NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB26

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1n

I:\SUEZCanadaWasteServices\15867\Figures\ArcFiles\MXD\2023\S&V\Figure 1-Field_Access_Map.mxd - Talkod_L - 23-May-23, 02:12 PM - dcotrese - TID005

Easting (m)

611250 611400 611550 611700 611850 612000

Northing (m)

6075300 6075150 6075000 6074850

- Trail
- Expanded Program Monitoring Location

Vegetation Point

- Lichen
- Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

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1:3,000 metres

30 0 30 60

NAD 1983 UTM Zone 11N

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB50, Plot 81

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1o

I:\SUEZCanadaWasteServices\15867\Figures\ArcMaps\MON2023GIS\JV\Figure-1-Field_Access_Map.mxd - TaWodL_I - 23-May-23, 02:12 PM - dcantese - TID005

Approximate Transect Orientation
Approximate Trail
Trail
Expanded Program Monitoring Location

Vegetation Point

Lichen
Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign. Trail markings on the road leading to Plot 14 degrade quickly. Plot MB24 shifted in 2018 due to forestry activity.

1:8,000
metres
80 0 80 160
NAD 1983 UTM Zone 11N

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Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB24, Plot 29, Plot 14

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure 1p

I:\SUEZCanadaWasteServices\15867\Figures\ArcFiles\MXD\2023\SkV\Figure-1-Field_Access_Map.mxd - Tabloid_L - 23-May-23, 02:12 PM - dcortese - TID005

Easting (m)

602700 602850 603000 603150 603300 603450

Northing (m)

6067650 6067500 6067350 6067200 6067050

Approximate Transect Orientation
Trail
Approximate Transect Orientation (New)
Annual Monitoring Location

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign.

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1:3,000 metres
30 0 30 60
NAD 1983 UTM Zone 11N

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
Plot 70

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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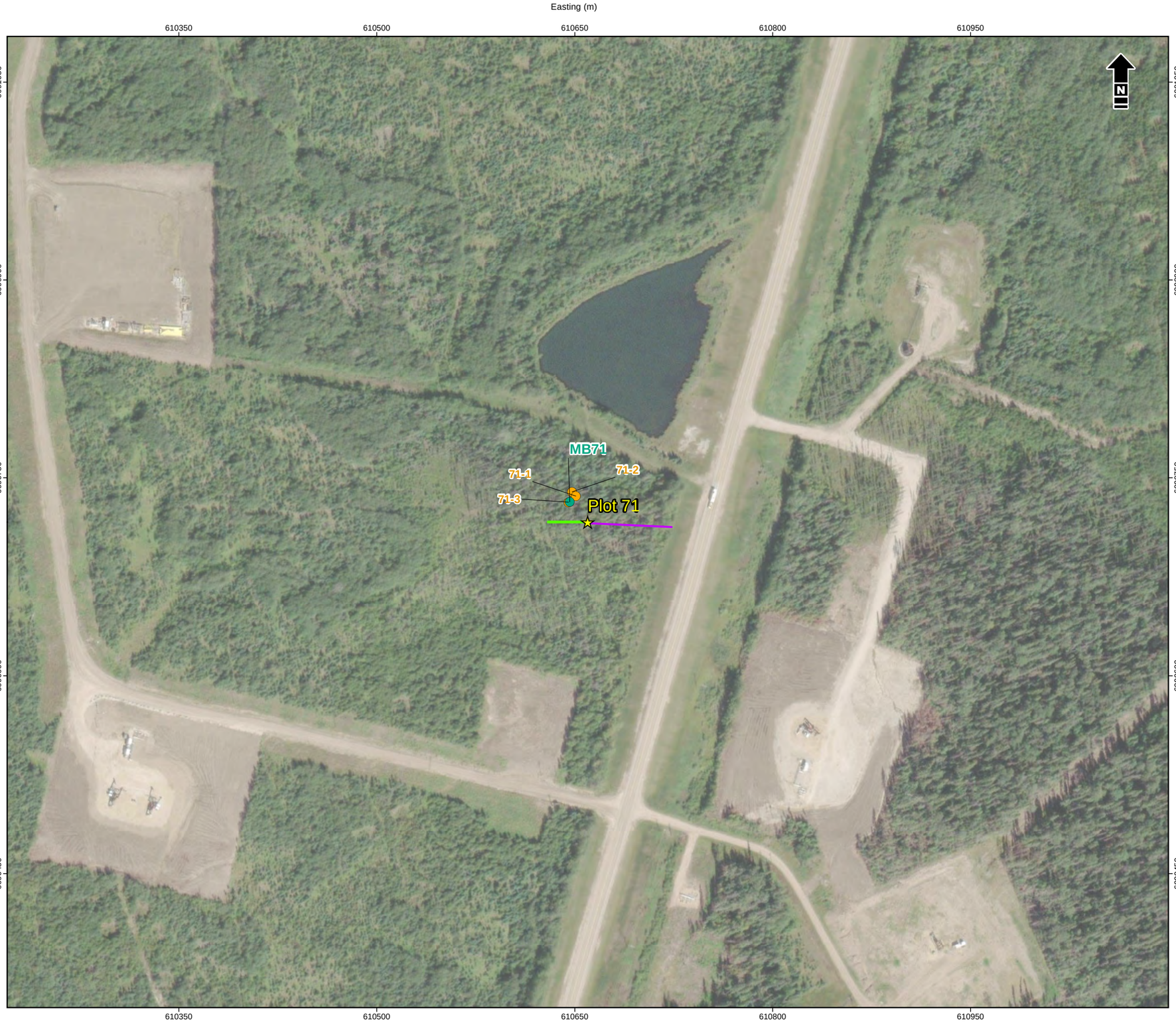
Figure 1q

I:\SUEZCanadaWasteServices\15867\Figures\ArcMaps\MON2023\S&V\Figure-1-Field_Access_Map.mxd - TaylorL - 23-May-23, 02:12 PM - dcorriese - TID005



Approximate Transect Orientation
Trail
Annual Monitoring Location

Vegetation Point

Lichen
Moss Bag

*Note: All trails are marked with a combination of white 3M Reflective Strips, pink tree paint and pink/ blue flagging. The entrance of some trails are marked either by white 3M Reflective Strips or a yield sign. Lichen site 71-1 has been knocked over.

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1:3,000
metres
30 0 30 60
NAD 1983 UTM Zone 11N

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

SUEZ Canada Waste Services Inc.
Swan Hills Treatment Centre - Soil and Vegetation Monitoring Program

Field Access Map
MB71, Plot 71

Date:	Project:	Submitter:	Reviewer:
May 2023	15867	L. Oiffer	K. Ostermann

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Figure
1r

I:\SUEZCanadaWasteServices\15867\Figures\ArcMaps\MON2023\SAV\Figure-1-Field_Access_Map.mxd - Tabloid_L - 23-May-23, 02:12 PM - dcortese - TID005

APPENDIX C
Laboratory Reports

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395523**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-2	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 402	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240527101	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.52		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395524**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-4	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Dup	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240527102	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.51		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

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V3S 8P8, Canada

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E: info.vancouver@element.com
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Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395525**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-16	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 123	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240528107	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.45		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

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#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

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E: info.vancouver@element.com
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Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395526**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-35	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**		**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**		**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Comments:

Results relate only to samples as submitted

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#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

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Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395527**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-51	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 110	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240529124	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.52		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

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Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395528**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-54	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**		**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**		**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

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Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395529**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-59	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 109	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240529128	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.28		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395530**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-61	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Dup	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240529129	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.33		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

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#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

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Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395531**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-72	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 117	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240530134	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.49		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395532**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-74	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 114	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240530135	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.53		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

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Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9395533**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-78	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 70	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240530137	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.42		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9396679**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-36	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 11	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240528117	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.47		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

Element
#104, 19575-55 A Ave.
Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9396680**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-076	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 71	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240530136	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.17		No Interpretation					AOAC-990.03

Comments:

Results relate only to samples as submitted

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Surrey, British Columbia
V3S 8P8, Canada

T: +1 (604) 514-3322
E: info.vancouver@element.com
W: www.element.com

Certificate of Analysis

Bill To:	Matrix Solutions Inc.	**Client Sample Information**		**Lot ID:**	**1744123**
Report To:	Matrix Solutions Inc.			**Sample ID:**	**9396681**
	Suite 600, 214 11 Ave SW	**Producer:**			
	Calgary, AB, Canada	**Sample ID:**		**Date Received:**	Jul 8, 2024
	T2R 0K1	**Sample Code:**	-055	**Date Reported:**	Jul 12, 2024
Attn:		**Comments:**	Plot 4	**Sample Retained:**	Sep 6, 2024
Phone #:	(403) 237-0606	**Sample Description:**	15867240529126	**Arrival Condition:**	
Fax #:	(403) 263-2493				
Acct Code:	CA02777	**Lab Sample Code:**		**Report Number:**	**3022996**
Project ID:	15867				
PO #:	PO-######				

Analyte	Units	Results	Target Range	Very Low	Low	Medium	High	Very High	Method Reference
Plant Tissue Results									
Total Nitrogen	%	1.44		No Interpretation					AOAC-990.03

Comments:

Approved by:

Rachel Eden , B. Sc.
Operations Manager

Data have been validated by Analytical Quality Control and Element's Integrated Data Validation System (IDVS).
Generation and distribution of the report, and approval by the digitized signature above, are performed through a secure and controlled automatic process.
Results relate only to samples as submitted

Sample #	Weight (g)	Sample type
EO2404138-2	1.0016	Lab Tea
EO2404138-4	1.0034	Lab Tea
EO2404138-16	1.0018	Lab Tea
EO2404138-35	1.0007	Moss
EO2404138-51	1.0068	Lab Tea
EO2404138-54	1.002	Moss
EO2404138-59	1.0071	Lab Tea
EO2404138-61	1.0024	Lab Tea
EO2404138-72	1.0009	Lab Tea
EO2404138-74	1.0068	Lab Tea
EO2404138-78	1.0012	Lab Tea

LIPID CUT

BAL ID	68
Run #	N/A
Date:	26/06/2024

1.0g of dried samples

4.9 °C LC

'24 JUL 8 13:50

C.

re-mixed the homogenized tissue prior to sub sampling

Lot: 1744123 COC

Matrix Solutions Inc.

ALS Canada Ltd.

right solutions. right partner.

CERTIFICATE OF ANALYSIS

Work Order	: **BU2400982**	Page	: 1 of 326
Client	: **Matrix Solutions Inc.**	Laboratory	: ALS Environmental - Burlington
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 1435 Norjohn Court, Unit 1 Burlington ON Canada L7L 0E6
Telephone	: 780 989 8347	Telephone	: +1 905 331 3111
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 13:48
PO	: ----	Date Analysis Commenced	: 07-Nov-2024
C-O-C number	: ----	Issue Date	: 08-Nov-2024 15:54
Sampler	: ----		
Site	: ----		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 81		
No. of samples analysed	: 81		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Philip Elder	Technical Manager	Organics, Burlington, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.
Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Unit	*Description*
%	percent
ng/g	nanograms per gram
ng/g wwt	nanograms per gram wet weight

>: greater than.
<: less than.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
[B]	*The analyte was detected in the Method Blank at >10% of the sample concentration.*
[U]	*The analyte was not detected above the EDL.*
R	*The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.*

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-3 - 15867240527003

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	85.8	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.095	-	0.095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.150 [B]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.178	-	0.178	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.224 [U]	-	0.224	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	<0.286 [U]	-	0.286	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-3 - 15867240527003

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.119	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0690	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0877 R	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.158	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.112	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.546	-	0.278	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0805	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.316	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.147	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.268	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.812	-	0.278	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.118	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0840	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.249	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.105	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-3 - 15867240527003

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.556	-	0.233	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	<0.178 [U]	-	0.178	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.117 [U]	-	0.117	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.91	-	0.657	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.1	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	48.1 [R]	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	37.1	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	48.2	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	35.3	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	55.0	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	34.9	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	57.8	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	72.6 [R]	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.9	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	75.1	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	57.5	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.4 [R]	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	76.3	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	68.2	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-3 - 15867240527003
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.0	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	74.4	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	68.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	79.0	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	83.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	74.6	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	81.2	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	77.9	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	72.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-4 - 15867240527103

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	37.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.105	-	0.105	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.196	-	0.196	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.246 [U]	-	0.246	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.315 [U]	-	0.315	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-4 - 15867240527103

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.306	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.306	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-4 - 15867240527103

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.257	-	0.257	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.196	-	0.196	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.128	-	0.128	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.723	-	0.723	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	37.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	40.4	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	42.2	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	41.3	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	46.6	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	47.7	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	48.6	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	50.6	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	55.9	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	55.6 R	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	54.6	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	56.9	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	51.4	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	58.1	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	59.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-4 - 15867240527103
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.1	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	60.8	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	60.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	61.0	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	65.7	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	59.4	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	64.9	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	60.7	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	60.2	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-5 - 15867240527004
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	62.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 005+008	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 011	2050-67-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 015	2050-68-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 018	37680-65-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 022	38444-85-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 028+031	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 041+064+068+071	n/a	0.0171	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 042+059	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 043+049	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 044	41464-39-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 047+048+075	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 052+073	n/a	0.0129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 056+060	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 061+074	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 066+080	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 070+076	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 077	32598-13-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 082	52663-62-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 083+108	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-5 - 15867240527004
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0386	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 085+120	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 086+087+111+115+116+117+125	n/a	0.0223	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 091	68194-05-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 092	52663-61-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 093+095	n/a	0.0178	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 097	41464-51-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 099	38380-01-7	0.0142 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 105+127	n/a	0.0238 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 106+118	n/a	0.0457	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 107+109	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 110	38380-03-9	0.0360	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 114	74472-37-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 123	65510-44-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 126	57465-28-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Pentachlorinated biphenyls, total	n/a	0.198	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 128+167	n/a	0.0218	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 129	55215-18-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 131+142+146+165	n/a	0.0124	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 132+168	n/a	0.0206	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 135+144	n/a	0.0117	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 136	38411-22-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 137	35694-06-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 138+163+164	n/a	0.0981	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 139+149	n/a	0.0464	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 141	52712-04-6	0.0163	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 151	52663-63-5	0.0121	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 153	35065-27-1	0.0747	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 156	38380-08-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 157	69782-90-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 158+160	n/a	0.0124 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 159	39635-35-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 169	32774-16-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Hexachlorinated biphenyls, total	n/a	0.326	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 170+190	n/a	0.0342	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 171	52663-71-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 172+192	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 174+181	n/a	0.0258	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 177	52663-70-4	0.0134	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 180	35065-29-3	0.0736	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 182+187	n/a	0.0303	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 183	52663-69-1	0.0153	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 185	52712-05-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 189	39635-31-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 191	74472-50-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 193	69782-91-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-5 - 15867240527004

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.193	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 194	35694-08-7	0.0120 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 195	52663-78-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 196+203	n/a	0.0179	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 199	52663-75-9	0.0134	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 201+204	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 202	2136-99-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 205	74472-53-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Octachlorinated biphenyls, total	n/a	0.043	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 206	40186-72-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Polychlorinated biphenyls [PCBs], total	n/a	0.760	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	51.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 003, 13C12	208263-77-8	51.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 004, 13C12	234432-86-1	52.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 015, 13C12	208263-67-6	52.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 019, 13C12	234432-87-2	57.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 037, 13C12	208263-79-0	54.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 054, 13C12	234432-88-3	58.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 081, 13C12	208461-24-9	58.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 104, 13C12	234432-89-4	64.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 105, 13C12	208263-62-1	81.2 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 114, 13C12	208263-63-2	63.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 118, 13C12	104130-40-7	67.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 123, 13C12	208263-64-3	59.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 126, 13C12	208263-65-4	50.5 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 155, 13C12	234432-90-7	66.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 156, 13C12	208263-68-7	70.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-5 - 15867240527004
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 167, 13C12	235416-30-5	69.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 169, 13C12	208263-70-1	65.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 188, 13C12	234432-91-8	70.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 202, 13C12	105600-26-8	77.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 205, 13C12	234446-64-1	68.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 206, 13C12	208263-75-6	76.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 208, 13C12	234432-92-9	72.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 209, 13C12	105600-27-9	69.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-6 - 15867240527104

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	37.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.102	-	0.102	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.191	-	0.191	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.239 [U]	-	0.239	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.306 [U]	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-6 - 15867240527104

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.297	-	0.297	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.297	-	0.297	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-6 - 15867240527104

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.250	-	0.250	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.191	-	0.191	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.125	-	0.125	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.703	-	0.703	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	48.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	50.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	49.8	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	54.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	54.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	55.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	55.8	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	60.5	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	63.9 R	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	60.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	53.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	51.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	57.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	65.0	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-6 - 15867240527104
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	65.5	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	67.5	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	62.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	64.2	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.4	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	63.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-7 - 15867240527005

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	75.6	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0174 [B]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0174 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0133 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0214	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0171	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0220	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0390 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0404 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0454 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0104	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.226	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0172 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-7 - 15867240527005

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0840	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0175	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0384	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0134	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0228	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0097	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0352	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0556 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.122	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0100 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0710	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.497	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0453	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0224	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0346	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0211	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.195	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0858	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0340	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0238	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.167	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0228	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.670	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.0966 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0122	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0112 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0466	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0257	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.156	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0595	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0291	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-7 - 15867240527005

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.437	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0345	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0105 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0354	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.110	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.94	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	53.6 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	42.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	55.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	41.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	61.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	39.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	63.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	61.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	79.1 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	65.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	54.5 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	72.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-7 - 15867240527005
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	70.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	76.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	72.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	77.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	83.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	73.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	81.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	73.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-8 - 15867240527105

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	32.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.102	-	0.102	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.238 [U]	-	0.238	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.305 [U]	-	0.305	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-8 - 15867240527105

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.296	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.296	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-8 - 15867240527105

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.249	-	0.249	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.124	-	0.124	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.700	-	0.700	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.8	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	45.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	47.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	45.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	51.0	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	50.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	52.1	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	51.9	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	57.5	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	58.2 R	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	54.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	57.4	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	50.6	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	48.7	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	56.9	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	62.9	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-8 - 15867240527105
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	62.0	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.3	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	60.1	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	67.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	60.6	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	67.1	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	60.1	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	60.0	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-9 - 15867240527006

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	65.3	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0191 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	0.0113 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0135 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.044	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0108 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0450 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0248	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0214	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0128	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0502	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0555	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0639	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0528	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.599	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0500	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0128 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-9 - 15867240527006

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.367	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0812	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.179	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0244	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0598	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0406	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.145	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.223	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.472	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0349	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.348	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0124 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0264 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	2.20	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.187	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0291	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.113	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0371	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.893	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.431	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.155	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.111	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.695	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0857	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0213 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0965	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	3.13	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.329	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0626	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0403	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.247	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.616	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.275	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0266	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0114	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.491	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0374 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-9 - 15867240527006

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.39	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.136	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0480	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.153	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.127	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0125	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0131	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.107	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.597	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0231	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.023	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	8.98	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	42.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	38.8 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	41.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	44.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	49.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	46.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	52.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	53.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	60.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	68.5 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	64.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	64.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	60.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	47.7 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	71.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	84.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-9 - 15867240527006
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	70.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	64.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	77.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	82.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	73.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	81.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	80.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	74.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-10 - 15867240527106
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.129	-	0.129	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.303 [U]	-	0.303	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.387 [U]	-	0.387	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-10 - 15867240527106

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.376	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.376	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-10 - 15867240527106

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.316	-	0.316	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.158	-	0.158	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.890	-	0.890	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	44.8	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	47.7	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	45.7	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	51.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	51.4	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	53.0	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	54.9	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	60.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	60.7 R	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	60.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	53.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	45.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	59.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	66.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-10 - 15867240527106
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	63.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	62.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	69.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.9	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	68.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-13 - 15867240528008
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.6	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0221 [B]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.026	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0173 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0210 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0151	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0175 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0282	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0316	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0589	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0162 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.188	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-13 - 15867240528008

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.101	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0194	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0404	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0174	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0284	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0425	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0595 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.133	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0107	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0858	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.551	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0462	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0249	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0407	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0252	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.214	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.103	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0374	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0280	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.186	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0219	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0205	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.748	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0140	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0109	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0519	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0271	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.181	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0652	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0320	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-13 - 15867240528008

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.382	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0343	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0105	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0349	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0271	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.107	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	0.0099	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	0.0099	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.98	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	46.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	36.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	46.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	35.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	51.6 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	36.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	57.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	75.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	61.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	47.7 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	70.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	64.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-13 - 15867240528008
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	70.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	65.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	73.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	79.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	79.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	64.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-14 - 15867240528108

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	45.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.099	-	0.099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.185	-	0.185	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.232 [U]	-	0.232	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.296 [U]	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-14 - 15867240528108

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.288	-	0.288	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.288	-	0.288	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-14 - 15867240528108

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.185	-	0.185	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.121	-	0.121	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.681 [U]	-	0.681	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	46.6	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	49.6	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	46.5	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	52.9	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	51.7	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	54.4	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	55.5	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	59.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	60.3 [R]	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	56.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	59.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	52.3	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	51.8	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	58.3	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	67.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-14 - 15867240528108
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.4	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	65.6	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	62.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	64.9	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	71.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	64.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	64.9	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-15 - 15867240528009
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0164 [B]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0122 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0155	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0178	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0113 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0158 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0270 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.100	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0127 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-15 - 15867240528009
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0797	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0150	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0308	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0114	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0220	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0322	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0339 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0895	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0639	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.391	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0299	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0176	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0185	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.144	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0780	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0267	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0182	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.133	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0156	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	0.0244	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.549	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0357	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.101	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0424	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0218	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-15 - 15867240528009

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.218	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0183	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0212	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0271 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.067	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.32	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	24.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	29.1 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	21.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	30.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	20.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	33.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	20.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	35.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	34.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	50.2 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	37.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	38.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	36.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	29.9 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	40.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	38.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-15 - 15867240528009
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	38.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	42.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	39.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	43.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	46.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	41.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	45.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	43.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	37.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-16 - 15867240528109

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	46.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.107	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.201	-	0.201	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.252 [U]	-	0.252	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.322 [U]	-	0.322	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-16 - 15867240528109

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.313	-	0.313	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.313	-	0.313	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-16 - 15867240528109

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.263	-	0.263	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.201	-	0.201	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.131	-	0.131	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.740 [U]	-	0.740	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.4	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	42.6	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	44.9	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	42.3	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	46.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	47.6	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	48.0	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	50.0	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	53.2	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	55.6 [R]	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	51.5	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	53.8	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	48.3	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.6	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	53.1	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	59.1	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-16 - 15867240528109
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.4	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	59.0	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	58.7	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	57.1	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	62.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	57.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	64.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	58.4	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	58.2	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-17 - 15867240528010
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	64.8	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0339	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0208 [B]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.055	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0177	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0351	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.0991 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.166	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0371 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0176 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0212	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0194 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0179 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0371	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0460	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0481 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0679 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.113	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0297 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.455	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0224	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-17 - 15867240528010

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.189	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0428	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0831	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0192 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0304	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0547	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0254	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0793	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0971	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.194	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0192 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.02	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0947	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0527	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0873	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0526	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0200	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.448	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.220	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0806	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0576	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.397	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0439	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0109	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0512 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	1.63	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0292	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0224	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.111	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0620	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.330	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.142	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0716	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0131	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-17 - 15867240528010

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.913	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0614	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0700	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0627	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.214	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	4.45	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	49.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	41.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	49.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	38.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	51.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	36.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	54.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	54.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	78.9 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	81.4 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	51.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	44.4 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	64.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	60.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-17 - 15867240528010
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	64.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	59.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	66.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	70.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	63.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	68.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	65.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	57.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-18 - 15867240528110
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.116	-	0.116	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.216	-	0.216	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.271 [U]	-	0.271	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.347 [U]	-	0.347	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-18 - 15867240528110

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.337	-	0.337	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.337	-	0.337	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-18 - 15867240528110

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.283	-	0.283	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.216	-	0.216	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.142	-	0.142	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.797 [U]	-	0.797	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.3	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	50.1	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	52.6	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	48.8	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	55.5	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	52.6	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	56.5	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	55.2	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	61.7	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	60.4 [R]	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.6	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	61.1	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.7	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	50.6	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	62.0	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	63.0	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-18 - 15867240528110
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.6	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.9	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	65.1	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	65.1	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	71.2	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	64.2	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	70.0	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	64.5	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	63.8	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-19 - 15867240528011
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.3	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0224 [B]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0537 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0186 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0233	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0189	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0176	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0471	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0447	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0674 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0340 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0806	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.139	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0391 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.584	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0386 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-19 - 15867240528011

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result		Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls										
PCB 084+089+090+101	n/a	0.297		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0581		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.114		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0214	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0454		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0884		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0354		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.125		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.142		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.317		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0299		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.240		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0109	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.56		-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.130		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0213		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0706		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.115		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0767		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0284		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.598		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.316		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.107		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0835		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.543		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0593		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0147		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0590		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	2.22		-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.150	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0396		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0309	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.142		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0804		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.414		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.187		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0915		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0180		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-19 - 15867240528011

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.15	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0890	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0246	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0927	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0799	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0131 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0105	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.310	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0123	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	5.82	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	54.4 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	44.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	54.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	41.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	56.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	40.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	58.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	62.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	76.3 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	75.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	58.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.9 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	77.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	81.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-19 - 15867240528011
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	72.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	63.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	78.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	81.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	71.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	79.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	67.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-20 - 15867240528111
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.117	-	0.117	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.218	-	0.218	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.274 [U]	-	0.274	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.251 [R]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.350 [U]	-	0.350	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-20 - 15867240528111

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.136	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	0.0834	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.167	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.113	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	0.499	-	0.340	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.272	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.126	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.234	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	0.632	-	0.340	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.149	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-20 - 15867240528111

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.286	-	0.286	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.218	-	0.218	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.143	-	0.143	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	1.13	-	0.804	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	42.2	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	43.9	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	46.5	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	44.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	50.2	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	50.5	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	52.2	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	54.8	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	60.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	59.0 R	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.9	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	61.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	62.1	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	64.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-20 - 15867240528111
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	65.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.7	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	65.6	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	71.6	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.6	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.9	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	65.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-21 - 15867240528012
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.5	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0207 [B]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.026	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0110	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.033 [U]	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0487 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0131 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0206	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0144	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0142	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0383	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0421	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0620 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0758	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.137	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0386 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.505	-	0.065	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0368 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-21 - 15867240528012

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.225	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0428	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0966	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0159	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0399	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0703	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0281	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0924	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.100 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.250	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0201 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.191	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0127 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.22	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0985	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0172	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0572	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0932	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0623	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0222	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.500	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.258	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0920	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0662	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.449	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0453	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0112	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0485	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	1.82	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.192	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0323	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0264	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.130	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0696	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.420	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.156	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0769	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0150	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-21 - 15867240528012

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.12	-	0.035	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0258	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0970	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0787	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.302	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0183	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.018	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	4.98	-	0.109	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	43.7 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	35.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	44.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	35.9	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	43.7 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	35.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	51.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	57.2	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	84.1 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.4 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	72.7 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	55.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	70.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	66.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-21 - 15867240528012
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	69.5	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	64.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	73.8	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	78.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	69.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	76.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.5	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	63.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-22 - 15867240528112

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.9	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.097	-	0.097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.182	-	0.182	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.228 [U]	-	0.228	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.375 [R]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	0.375	-	0.292	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	0.0754	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-22 - 15867240528112

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.124	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.123	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.0967	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	0.419	-	0.284	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.193	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.104	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.165	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	0.462	-	0.284	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.122	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-22 - 15867240528112

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.239	-	0.239	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.182	-	0.182	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.119	-	0.119	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	1.26	-	0.671	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.9	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	42.7	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	44.6	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	43.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	47.7	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	49.1	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	48.9	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	53.7	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	54.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	58.6 R	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	53.3	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	57.4	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	48.4	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.8	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	53.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	58.7	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-22 - 15867240528112
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	60.8	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.2	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	58.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	65.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	59.8	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	66.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	59.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	56.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-23 - 15867240528013
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.6	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0136	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0195 [B]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0109	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.044	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0194 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.0889 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.108	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0327	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0256	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0179	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0181	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0459	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.107	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0824	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.137	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.209	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0777 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.753	-	0.065	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0515	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0130	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-23 - 15867240528013

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.427	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0945	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.181	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0260	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0755	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.101	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0499	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.182	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.334	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.664	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0588	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.382	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0218 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0255 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	2.69	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.276	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0433	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.138	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.203	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.125	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0495	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	1.22	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.531	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.195	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.152	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	1.10	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.129	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0328	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.133	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	4.33	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.453	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0822	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0682	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.302	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.179	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	1.07	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.405	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.197	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0335	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0177	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-23 - 15867240528013

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.81	-	0.035	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.200	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0596	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.218	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.184	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0186	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0253	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.706	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0313	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.031	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	11.5	-	0.109	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	54.8 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	42.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	54.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	38.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	56.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	36.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	60.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	72.9 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	69.1 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	60.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	48.3 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	68.8	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	65.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-23 - 15867240528013
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	71.4	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	66.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	71.8	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	78.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	70.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	78.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	73.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	60.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-24 - 15867240528113

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	37.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.101	-	0.101	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.238 [U]	-	0.238	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.427 [R]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	0.427	-	0.304	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-24 - 15867240528113

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.123	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.105	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.0949	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	0.323	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.165	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.0935	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.148	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	0.406	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.0803	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-24 - 15867240528113

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.248	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.124	-	0.124	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	1.16	-	0.699	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.1	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	47.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	48.8	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	45.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	51.5	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	51.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	52.9	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	53.2	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	58.7	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	61.2 R	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.8	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	61.8	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	52.7	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	59.3	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	65.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-24 - 15867240528113
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.8	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	64.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	63.5	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.6	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.1	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-25 - 15867240528014

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	73.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	0.0150 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0548	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	0.0107	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0251 [B],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0468	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.152	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0452	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0244	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0653	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	0.533 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.102 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.0180	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0301 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.381 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.260 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	1.46	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0285 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.174	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0521	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.135	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0499 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.292	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	0.0152	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.290	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.288	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0402 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.434	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.808	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.220	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	2.96	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.144	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0369	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-25 - 15867240528014

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.29	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.238	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.509	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0818	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.193	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.370	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.167	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.486	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.560	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	1.40	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	1.01	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0453	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0465 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	6.71	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.626	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0980	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.331	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.509	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.331	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.127	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	2.80	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	1.36	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.504	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.343	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	2.46	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.284	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0751	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	10.1	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.950	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.169	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.618	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.350	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	1.99	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.808	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.394	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0743	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0410 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.0877 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.102	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-25 - 15867240528014

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	5.72	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.435	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.125	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.464	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.375	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0387	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0494	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.0229	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	1.51	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0674	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	0.0100 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	0.0115	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.089	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	28.7	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	49.3 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	36.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	45.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	33.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	48.5 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	32.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	49.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	52.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	96.2 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	62.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	75.0 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	50.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	45.7 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	65.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	70.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-25 - 15867240528014
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	66.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	62.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	70.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	77.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	68.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	76.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	73.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	62.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-26 - 15867240528114

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.130	-	0.130	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	0.143	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.243	-	0.243	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	0.105 [R]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.304 [U]	-	0.304	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.192 [R]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	0.153	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	0.173	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	0.518	-	0.389	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-26 - 15867240528114

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.458	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	0.113	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	0.196	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	0.207	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	0.235	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	0.263	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.578	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.377	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	2.43	-	0.378	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	0.155	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	0.138 R	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	0.177	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	0.107	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.778	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.414	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	0.143	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	0.127	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.698	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	0.103	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	2.84	-	0.378	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	0.161	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.407	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	0.206	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	0.103	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-26 - 15867240528114

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.877	-	0.318	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.243	-	0.243	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.159	-	0.159	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	6.66	-	0.894	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.3	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	43.6	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	45.7	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	43.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	49.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	49.3	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	51.0	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	52.3	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	57.0	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	58.5 R	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	59.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.7	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	50.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	60.1	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	65.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-26 - 15867240528114
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.2	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.8	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	65.4	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	63.2	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	63.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	70.2	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.8	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	64.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-27 - 15867240528015
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	65.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0134	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0226 [B],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0132 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.049	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0111 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0175 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	0.0119 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0155	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.0881 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.144	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0138	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0372 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0369 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0220	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0196	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0215 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0457	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0559	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0886 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0705 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.105 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.156	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0482 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.721	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0775 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-27 - 15867240528015

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.305	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0612	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.130	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0184	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0477	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0845	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0399	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.113	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.216	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.429	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0377 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.274	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0179 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0286	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.88	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.192	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0297 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0922	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.160	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0780	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0319	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.866	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.339	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.152	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0835	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.721	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.106	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0249	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0589	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	2.94	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.370	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0606	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0525	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.217	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.834	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.267	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.135	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0252	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0145	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-27 - 15867240528015

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.10	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.168	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0524	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.183	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.142	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0137	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0162	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.575	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0245	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.024	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	8.43	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	4.9 [U]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	37.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	53.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	37.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	60.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	37.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	64.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	59.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	79.2 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	69.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	62.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	54.4 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	67.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-27 - 15867240528015
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	70.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	78.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	73.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	79.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	82.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	75.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	82.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	76.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-28 - 15867240528115
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.9	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.132	-	0.132	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.248	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.311 [U]	-	0.311	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.398 [U]	-	0.398	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-28 - 15867240528115

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.106	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.0955	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.386	-	0.386	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.162	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.140	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.386	-	0.386	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-28 - 15867240528115

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.324	-	0.324	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.248	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.162	-	0.162	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.913 [U]	-	0.913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	38.6	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	41.2	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	43.5	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	43.9	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	48.0	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	50.6	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	50.5	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	52.7	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	57.7	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	59.4 [R]	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.7	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	60.3	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.7	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	51.0	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	60.4	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	62.6	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-28 - 15867240528115
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.8	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	63.6	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	63.0	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	63.9	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	69.3	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.5	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.5	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	64.8	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.2	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-29 - 15867240528016

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0161	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.030	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0108	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.109 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.158	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0116 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0480 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0146 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0374	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0262	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0221	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0721	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0957	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0848	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0166 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.136	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.219	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0574	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.842	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0472	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0135 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-29 - 15867240528016

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.426	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0801	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.170	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0285	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0658	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.112	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0521	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.490	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0441	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.328	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0186 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	2.27	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.199	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0300	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.103	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.170	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.100	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0380	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.885	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.422	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.160	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.100	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.778	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0957	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0235	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0960	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	3.20	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.308	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0594	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0503	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.218	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.124	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.762	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.287	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0246	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-29 - 15867240528016

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.97	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.149	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.110 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.157	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0124	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0158	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.570	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0229	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.023	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	9.06	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	56.5 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	43.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	56.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	39.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	61.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	38.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	64.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	61.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	86.2 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	68.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	76.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	63.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	53.4 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	72.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	72.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-29 - 15867240528016
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	76.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	72.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	77.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	85.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	75.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	85.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	76.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-30 - 15867240528116

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.129	-	0.129	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.242 [U]	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.303 [U]	-	0.303	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.196 [R]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.387 [U]	-	0.387	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-30 - 15867240528116

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.220	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.0932	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.106	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.104	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.102	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.200	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	0.158	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	0.983	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.345	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.203	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.312	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	0.860	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	0.155	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-30 - 15867240528116

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.316 [U]	-	0.316	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.158	-	0.158	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	1.84	-	0.890	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.2	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	52.9	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	49.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	56.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	50.5	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	56.3	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	52.4	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	65.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	57.9 [R]	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	59.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	68.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	50.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	48.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	61.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-30 - 15867240528116
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.9	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	63.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	60.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	68.7	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	67.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	73.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	71.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	67.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-33 - 15867240528018

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	59.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	0.915 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	0.915	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0111	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	0.0115	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0118 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.034	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0849	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0145	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0247 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	0.0150 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	3.21 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.214 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	0.0130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.0100 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0711	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.198 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.527 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	4.38	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0102 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0829 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0509 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0292	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0193 [R],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0881	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0183	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0702	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0670	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.238	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.275	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.208	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.234	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	0.0655	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	1.47	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0271	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-33 - 15867240528018

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.242	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0483	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.102	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0145	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0362	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0642	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0268	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0933	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0936 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.402	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0267	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.203	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.486	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	0.0451	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0144 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.92	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.191	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0250	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.155	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0860	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	0.0458	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0340	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.909	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.360	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.144	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0917	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.706	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0746	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0232	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.702	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	0.0101	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	3.56	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.273	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0482	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0392	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.174	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0973	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.616	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.231	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.113	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0211	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0146 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.461	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.484	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-33 - 15867240528018

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.57	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.137	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0406	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.150	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0142	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0150	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.106	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.580	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0197	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.020	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	15.4	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	44.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	51.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	38.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	52.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	36.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	53.1 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	35.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	56.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	55.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	194 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	76.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	61.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	60.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	53.1 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	72.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	81.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-33 - 15867240528018
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	73.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	66.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	76.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	82.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	80.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-34 - 15867240528118
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.136	-	0.136	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.254 [U]	-	0.254	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.319 [U]	-	0.319	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.408 [U]	-	0.408	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-34 - 15867240528118

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.397 [U]	-	0.397	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.160	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.102	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.156	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	0.418	-	0.397	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-34 - 15867240528118

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.333 [U]	-	0.333	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.254	-	0.254	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.167	-	0.167	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.938 [U]	-	0.938	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.4	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	49.6	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	50.7	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	49.2	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	54.6	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	52.4	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	56.0	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	55.3	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	65.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	59.6 [R]	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	59.8	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	62.7	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	57.6	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	50.7	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.3	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	63.4	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-34 - 15867240528118
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	66.0	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	65.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	62.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	68.9	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.9	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	65.0	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	71.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	68.3	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	64.9	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-35 - 15867240528019

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	64.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.026	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.033 [U]	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0203 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0103 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0154	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0141	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0298	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.119	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0141 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-35 - 15867240528019

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0505	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0313	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0180	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0230	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0260 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0593	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0447	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.280	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0263	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0180 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0155	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.107	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0518	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0143	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.0880	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.390	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0288 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0160	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.0763	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0317	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0170	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-35 - 15867240528019

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.170	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0176	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0321 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0182	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.068	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U],	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.03	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	46.9 R,	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	36.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	43.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	34.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	49.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	35.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	57.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	57.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	87.4 R,	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	62.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	66.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	57.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.9 R,	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	66.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	68.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-35 - 15867240528019
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	73.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	72.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	80.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	80.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	72.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	60.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-36 - 15867240528119

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.102	-	0.102	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.192 [U]	-	0.192	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.240 [U]	-	0.240	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.307 [U]	-	0.307	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-36 - 15867240528119

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.298 [U]	-	0.298	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.298	-	0.298	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-36 - 15867240528119

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.251 [U]	-	0.251	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.192	-	0.192	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.125	-	0.125	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.705 [U]	-	0.705	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.7	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	50.8	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	53.1	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	49.8	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	55.3	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	53.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	55.7	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	54.7	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	64.5	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	58.7 [R]	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	59.5	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	61.8	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	58.6	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	45.3	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.0	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	62.0	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-36 - 15867240528119
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	66.1	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	65.2	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	61.3	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	69.2	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	74.1	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	65.4	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	72.2	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	69.4	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	65.9	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-37 - 15867240528020

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.3	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.013 [U]	-	0.013	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0193 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0146 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0132	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0269 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0254 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0210 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0284 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.149	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0160 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-37 - 15867240528020

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0327	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0223	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0148	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0146	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0155 R	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0393	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0247 R	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.180	-	0.039	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0176	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0122	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0159	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0105	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.0739	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0365	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0133	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0104	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.0600	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0097	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.260	-	0.039	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0189	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0113	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.0555	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0203	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0099	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-37 - 15867240528020

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.116	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0151 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0181	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0129	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.046	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.016 [U]	-	0.016	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	0.751	-	0.105	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	44.2 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	37.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	45.1	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	37.3	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	49.3 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	37.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	54.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	55.7	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	90.4 [R]	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	59.5	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	62.2	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	56.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	47.0 [R]	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	64.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	58.1	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-37 - 15867240528020
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	66.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	62.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	68.1	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	73.5	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	65.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	71.4	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	68.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	53.8	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-38 - 15867240528120
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	33.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.131	-	0.131	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.244 [U]	-	0.244	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.306 [U]	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.392 [U]	-	0.392	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-38 - 15867240528120

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.381 [U]	-	0.381	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.381	-	0.381	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-38 - 15867240528120

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.320 [U]	-	0.320	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.244 [U]	-	0.244	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.160	-	0.160	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.900 [U]	-	0.900	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.7	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.1 [R]	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.0	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	51.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	56.8	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	55.5	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	58.4	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	55.2	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	68.9	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	61.8 [R]	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	65.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	69.9	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	61.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	51.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	73.2	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	68.0	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-38 - 15867240528120
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.6	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	69.0	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	63.5	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	74.7	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	79.2	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	64.7	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	70.6	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	69.8	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	63.5	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-39 - 15867240528021
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0152 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0198 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0133 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0143 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0107 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.085	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-39 - 15867240528021

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0286	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0169 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0106	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0148 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0158 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0276	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0219	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.136	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0129	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.0518	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0274	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.0425	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.146	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.0308 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0136	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.0393	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0164	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-39 - 15867240528021

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.100	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0107 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0111	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	<0.025 [U]	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	0.467	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	46.6 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	35.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	45.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	32.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	47.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	32.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	53.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	53.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	75.4 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	57.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	62.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	55.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	46.3 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	64.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	56.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-39 - 15867240528021
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	67.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	62.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	69.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	74.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	67.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	68.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	56.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-40 - 15867240528121

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	42.3	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.119	-	0.119	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.223 [U]	-	0.223	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.280 [U]	-	0.280	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.358 [U]	-	0.358	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-40 - 15867240528121

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.348 [U]	-	0.348	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.348	-	0.348	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-40 - 15867240528121

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.292 [U]	-	0.292	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.223 [U]	-	0.223	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.146	-	0.146	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.822 [U]	-	0.822	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	50.2	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.3	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.3	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	50.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	57.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	54.9	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	58.4	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	55.7	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	68.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	61.0 [R]	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	61.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	68.6	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	56.1	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	49.6	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	70.4	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	66.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-40 - 15867240528121
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	67.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	64.1	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	71.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	74.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	67.0	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	75.0	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	70.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	66.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-41 - 15867240529022

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	61.9	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0244	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.047	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0194	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0119 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0309	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0287	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0139 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.159 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.264	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0566 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0165 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0386	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0328	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0713	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0866	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0825	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.125	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.230	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0696 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.832	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0420	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0099 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-41 - 15867240529022

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.365	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0670	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.156	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0231 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0577	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0979	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0386	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.229	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.565	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0442	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.313	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0259	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	2.17	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.241	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0386	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.111	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0996	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0450	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	1.05	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.427	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.183	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.107	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.836	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.138	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0358	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.116	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	3.62	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.453	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0663	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0582	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.266	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.142	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.869	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.315	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.156	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0292	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0220 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.0466 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.0398	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-41 - 15867240529022

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.46	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.200	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0594	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.202	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.160	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0200	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.0199 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.682	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0327	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.033	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	10.1	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	36.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	41.7 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	34.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	42.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	32.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	48.2 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	33.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	53.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	53.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	88.5 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	61.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	56.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	46.8 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	65.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	60.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-41 - 15867240529022
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	70.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	65.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	71.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	77.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	71.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	79.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	75.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	59.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-42 - 15867240529122

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	40.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.111	-	0.111	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.207 [U]	-	0.207	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.260 [U]	-	0.260	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.333 [U]	-	0.333	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-42 - 15867240529122

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0814	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.114	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	0.0829	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.323 [U]	-	0.323	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.179	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.0931	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.156	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	0.428	-	0.323	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	0.125	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-42 - 15867240529122

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.272 [U]	-	0.272	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.207 [U]	-	0.207	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.136	-	0.136	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.764 [U]	-	0.764	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	46.2	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	48.6	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	45.6	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	52.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	51.3	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	54.0	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	51.0	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	65.1	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	58.6 [R]	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	60.2	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	65.5	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	54.5	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	47.4	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.2	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	64.3	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-42 - 15867240529122
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.3	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	64.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	61.1	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	68.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.5	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	63.2	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	70.1	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	65.7	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	61.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-43 - 15867240529023

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	66.3	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.156 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	0.280 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	0.436	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0645 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	0.0303 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	3.63 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	3.72	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	1.43 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0814 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0449 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	0.515	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.154 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	0.344 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.551	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	2.65 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.508	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.0918 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	6.37	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0317	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0196	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0103	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0161	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0352	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0280	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0299 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0245	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0283	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0572	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0643	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0148	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.383	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.121	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0218	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-43 - 15867240529023

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.105	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0200	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0458	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0348	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0170	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0345	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0420	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0498	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.150	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.157	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0840	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.142	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	0.173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0098 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.21	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0507	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.294	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0269	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0427	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0271	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	0.0165	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0141	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.246	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.106	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0411	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0253	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.189	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0156	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.190	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	0.0388	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	0.0713	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	1.41	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	2.11 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0150	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.187	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0568	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0311	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.192	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0724	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0340	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.144	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.151	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-43 - 15867240529023

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.99	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0395	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0138 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0420	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0346	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.0300	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.160	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	16.7	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	56.1 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	44.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	55.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	43.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	63.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	42.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	64.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	62.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	2.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	78.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	66.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	65.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	9.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	87.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-43 - 15867240529023
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	70.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	75.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	77.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	82.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	80.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	75.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	72.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-44 - 15867240529123

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	35.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.112	-	0.112	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.210 [U]	-	0.210	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.264 [U]	-	0.264	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.337 [U]	-	0.337	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-44 - 15867240529123

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.328 [U]	-	0.328	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.328	-	0.328	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-44 - 15867240529123

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.275 [U]	-	0.275	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.210 [U]	-	0.210	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.138	-	0.138	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.775 [U]	-	0.775	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.4	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.5	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.5	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	51.8	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	57.9	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	55.0	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	58.8	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	56.5	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	67.5	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	61.6 [R]	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	60.6	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	65.2	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	56.6	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	50.0	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.1	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	64.6	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-44 - 15867240529123
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.8	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	65.3	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	59.7	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	69.1	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.4	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	65.4	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	71.9	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	70.2	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	62.7	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-47 - 15867240529025

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	54.8	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0237	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0112 [B],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0138 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.049	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0240	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0133 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0248 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0318	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0230 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.133 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.250	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0878 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0405 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0335	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0259	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0275 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0612	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0649	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0978 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0554 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.106	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0411	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.807	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0372 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-47 - 15867240529025

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.229	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0450	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.101	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0153 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0419 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0712	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0237	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.102	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.120 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.376	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0264 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0182 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.39	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0218	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0789	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.133	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0809	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0288	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.694	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.331	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.119	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0979	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.589	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0733	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0162	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0780 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	2.48	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.167 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0454	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0353	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.168	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0932	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.516	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.220	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.105	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0217	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.0364 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-47 - 15867240529025

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.41	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.145 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0186 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.113	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0724	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0145 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.364	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0152	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	6.75	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	44.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	48.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	41.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	52.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	43.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	54.9 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	40.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	55.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	109 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	56.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	46.9 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	70.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	57.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-47 - 15867240529025
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	61.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	65.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	59.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	71.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	74.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	62.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	67.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	63.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-48 - 15867240529125

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.106	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.198 [U]	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.248 [U]	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.317 [U]	-	0.317	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-48 - 15867240529125

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0870 [R]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.0839	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.308 [U]	-	0.308	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.122	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.0909	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.308	-	0.308	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-48 - 15867240529125

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.259	-	0.259	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.198 [U]	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.129	-	0.129	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.728 [U]	-	0.728	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.7	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	42.6	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	44.7	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	42.6	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	48.2	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	43.5	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	49.6	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	44.2	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	57.1	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	48.9 [R]	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	53.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	58.8	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	49.9	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	43.3	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	63.2	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	57.9	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-48 - 15867240529125
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.9	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	58.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	54.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	63.5	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	67.1	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	58.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	64.3	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	61.5	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	57.2	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-55 - 15867240529030

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	66.5	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0144	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	0.014	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	0.0347 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.176	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	0.0320	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	0.0163	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0135 [B],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	0.0194	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.155 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.447	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.155	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0865	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.215	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	0.0188	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	1.44 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.300 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	0.0247 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.0537 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0832 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	1.09 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.472 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	3.94	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0836 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.514	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.153	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.447	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.399	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	0.0321	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0194 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.227	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.881	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	0.0441	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	1.02	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0097	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.953	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0773 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	1.50	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	2.64	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.577	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	0.0716	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	9.64	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.470	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.170	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-55 - 15867240529030

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	4.59	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.926	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	2.01	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.274	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.715	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	1.38	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.614	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	1.79	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	2.47	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	6.24	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.514	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	3.92	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.320 R	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0097	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.188 R	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	26.6	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	2.60	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.391	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	1.26	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	2.26	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	1.30	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0097	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.505	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	11.9	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	5.38	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	2.16	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	1.55	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	9.69	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	1.44	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.333	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	1.13	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0097	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	0.0143 R	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	41.9	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	4.39	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.812	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.621	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	3.09	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	1.69	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	9.26	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	3.70	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	1.84	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.372	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.159	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.191	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.404	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-55 - 15867240529030

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	26.5	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	2.00	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.620	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	2.21	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	1.71	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.172	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.227	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.108	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	7.05	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.340	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	0.0473	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	0.0495	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.437	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	0.0720 R	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	0.0720	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	117	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	48.5 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	39.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	53.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	40.6	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	57.7 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	40.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	60.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	62.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	95.2 R	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	67.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	72.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	61.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	51.7 R	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	62.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-55 - 15867240529030
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	71.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	66.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	76.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	80.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	70.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	78.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.6	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	70.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-56 - 15867240529130

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.096	-	0.096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.179 [U]	-	0.179	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	0.104 [R]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	0.292	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	0.396	-	0.225	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	0.139	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	0.127	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	0.146	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	0.114	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.428	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	0.295	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	0.283	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	0.532	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	0.590	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	0.263 [R]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	2.92	-	0.288	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	0.139	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-56 - 15867240529130

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.52	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	0.361	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.673	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	0.0901	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	0.306	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.664	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	0.199	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.720	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.881	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	1.88	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	0.156 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	1.26	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	8.85	-	0.280	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	0.532	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	0.102	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	0.337	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	0.643	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	0.380	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	0.118	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	2.80	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	1.43	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	0.501	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	0.437	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	2.45	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	0.170	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	0.317	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	10.2	-	0.280	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	0.228 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	0.143	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	0.0908	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	0.589	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	0.308	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	1.40	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	0.734	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	0.359	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-56 - 15867240529130

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.85	-	0.235	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	0.134 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	0.296 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	0.218 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	0.648	-	0.179	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.117	-	0.117	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	26.9	-	0.661	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.8	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	52.1	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.0	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	52.6	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	59.7	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	54.9	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	59.7	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	54.5	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	68.3	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	60.0 R	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	61.9	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	67.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	58.5	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	49.5	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	72.2	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	67.7	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-56 - 15867240529130
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.1	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	66.5	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	62.1	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	72.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	76.6	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	66.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	72.7	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	69.1	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	64.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-57 - 15867240529031

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	76.9	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0168	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0620	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0110	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	0.0127 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0512 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.154	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0483	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0271 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0570	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	1.25 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0814 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0113 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0100 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0262 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.364 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.438 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	2.31	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0232 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.142	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0374	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.118	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0526	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.277	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.339	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.289	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0274 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.500	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.927	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.232	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U],	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	3.12	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.178	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0504 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-57 - 15867240529031

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.52	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.326	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.734	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0966	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.231	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.572	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.248	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.572	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.936	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	2.50	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.186	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	1.59	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0757	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0663 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	9.88	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	1.01	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.176	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.566	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.888	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.466	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.191	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	4.49	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	1.97	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.790	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.529	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	3.41	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.576	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.131	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.459	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	0.0145 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	15.7	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	1.63	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.313	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.227	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	1.22	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.665	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	3.33	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	1.33	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.637	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0504	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0306 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.198	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-57 - 15867240529031

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	9.76	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.703	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.379 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.701	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.590	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0592	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0763	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0255 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	2.53	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.113	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0149 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0146	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.142	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0144	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0144	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	43.6	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	37.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	42.7 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	38.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	40.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	42.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	40.8 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	44.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	48.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	51.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	86.3 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	55.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	60.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	50.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	42.1 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	56.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	64.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-57 - 15867240529031
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	63.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	61.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	64.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	64.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	73.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	68.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	54.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-58 - 15867240529131

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	57.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.106	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.198 [U]	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	0.144	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.248 [U]	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	0.0766	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.234	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	0.122	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	0.125	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	0.238	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	0.281	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	0.118 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	1.19	-	0.318	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-58 - 15867240529131

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.718	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	0.169	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.329 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	0.142 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.336	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	0.101 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.303	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.335	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.740	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	0.541	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	3.71	-	0.309	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	0.208	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	0.137	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	0.258	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	0.174	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	1.14	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.639	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	0.206	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	0.201	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.986	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	0.129	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	4.08	-	0.309	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	0.163	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	0.236	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	0.109	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	0.494	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	0.286	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	0.138	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	0.369	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-58 - 15867240529131

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.80	-	0.259	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	0.156 R,	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	0.0951 R,	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	0.251	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.130	-	0.130	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0749 [U],	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	11.0	-	0.730	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.8	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	45.1	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	46.4	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	45.1	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	50.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	49.2	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	50.9	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	51.5	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	61.2	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	53.8 R,	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	58.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	63.4	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	54.2	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	46.6	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.1	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	61.9	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-58 - 15867240529131
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.5	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	63.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	59.6	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	67.8	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	72.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	60.4	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	64.9	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	61.9	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	57.4	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-59 - 15867240529032

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	67.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0248 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	0.0830 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	0.108	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0583	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.286	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0551	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	0.0181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	0.0267	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.233 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.707	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.235	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.310	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0269	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	2.44 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.323	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0347	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0833	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0848	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	1.41 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	1.02 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	6.08	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.120	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.678	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.200	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.634	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.726	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0454	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	0.0251	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.309	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	1.31	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0555	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	1.52	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	1.32	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0828	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	2.17	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	4.04	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.713	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	0.110	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	14.0	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.774	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.244	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-59 - 15867240529032

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	6.20	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	1.33	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	2.98	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.399	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.916	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	2.24	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	1.02	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	2.42	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	3.83	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	9.10	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.735	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	5.99	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.320	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.251	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	38.7	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	3.58	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.621	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	2.01 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	2.91	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	1.60	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.711	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	15.6	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	6.84	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	2.72	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	1.72	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	11.7	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	1.81	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.435	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	1.67	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	0.445	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	0.0108 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	54.4	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	6.76	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	1.19	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.826	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	4.42	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	2.53	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	12.1	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	4.83	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	2.34	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.494	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.227	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.273	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.560	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-59 - 15867240529032

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	36.6	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	2.96	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.959	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	3.07	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	2.51	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.221	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.298	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.138	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	10.2	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.497	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0587	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0691	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.625	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0855	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0855	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	162	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	43.2 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	39.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	40.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	42.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	39.0 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	43.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	44.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	52.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	72.3 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	56.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	57.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	50.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	40.8 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	59.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	60.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-59 - 15867240529032
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	59.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	61.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	56.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	65.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	72.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	64.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	75.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	69.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	66.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-60 - 15867240529132

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	36.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.139	-	0.139	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.260 [U]	-	0.260	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	0.254	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.325 [U]	-	0.325	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	0.118	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	0.137	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	0.121	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	0.110	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.472 [R]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	0.230	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	0.195	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	0.422	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	0.514	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	0.180	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	2.50	-	0.416	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	0.121 [R]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-60 - 15867240529132

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.36	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	0.297	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.592	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	0.215	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.569	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	0.187	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.574	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.713	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	1.44	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	0.128	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	1.09	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	7.29	-	0.404	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	0.439	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	0.257	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	0.511	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	0.273	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	2.23	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	1.12	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	0.375	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	0.309	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	1.82	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	0.155	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	0.278	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	7.77	-	0.404	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	0.396	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	0.114	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	0.483	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	0.231	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	1.05	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	0.539	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	0.271	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-60 - 15867240529132

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.08	-	0.340	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	0.149 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	0.217 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	0.222 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	0.117 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	0.705	-	0.260	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.170	-	0.170	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	21.3	-	0.956	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.5	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	41.5	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	43.7	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	42.9	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	47.7	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	46.2	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	48.2	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	48.5	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	58.9	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	53.3 R	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	54.3	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	58.8	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	50.3	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	43.6	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	61.8	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	57.9	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-60 - 15867240529132
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	56.5	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	57.0	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	54.0	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	62.6	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	65.2	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	56.6	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	61.7	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	59.5	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	55.7	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-61 - 15867240530033

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0155	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0102 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.026	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0149 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.0748 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.090	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0166 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0132 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0367	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0526	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0468 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0177 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0784	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.107	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0324 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.435	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0186 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-61 - 15867240530033

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.136	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0306	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.0645	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0196	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0473	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0547	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.0840	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.260	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0154	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0098 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.887	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.0893	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0156 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0553	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0775	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.0433	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0179	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.409	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.0702	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0464	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.325	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0424	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0102	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0429	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	1.43	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0275	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0206	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.112	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0587	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.312	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.122	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0606	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0112	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0254 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-61 - 15867240530033

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.920	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.0704	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0227 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0744	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0603	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0116 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.239	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	4.03	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	48.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	48.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	50.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	57.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	52.0 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	60.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	60.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	135 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	75.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	76.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	66.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	57.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	77.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-61 - 15867240530033
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	75.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	76.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	71.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	80.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	86.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	74.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	83.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	77.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	61.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-62 - 15867240530133

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	26.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.126	-	0.126	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.236 [U]	-	0.236	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.296 [U]	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.378 [U]	-	0.378	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-62 - 15867240530133

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.367 [U]	-	0.367	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.367	-	0.367	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-62 - 15867240530133

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.309	-	0.309	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.236 [U]	-	0.236	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.154	-	0.154	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.868 [U]	-	0.868	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.1	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	47.6 [R]	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	50.3	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	46.9	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	54.2	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	48.2	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	54.4	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	48.5	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	61.5	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	54.5 [R]	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	56.2	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	61.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	51.8	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	44.0	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	63.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	53.6	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-62 - 15867240530133
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	58.8	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	55.2	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	64.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	66.9	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	59.8	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	66.3	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	62.6	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	58.9	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-71 - 15867240527201

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	87.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.0112 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-71 - 15867240527201

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	<0.040 [U]	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	<0.040 [U]	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-71 - 15867240527201

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.034 [U]	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	<0.107 [U]	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	50.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	49.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	52.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	54.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	56.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	56.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	57.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	65.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	63.6 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	66.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	60.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	48.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	68.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	70.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-71 - 15867240527201
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	69.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	65.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	71.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	77.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	70.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	81.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	73.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	72.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-050

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	58.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-050

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-050

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	53.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	57.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	62.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	67.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	71.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	73.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	74.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	79.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	85.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	84.5 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	78.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	72.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	59.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	82.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	80.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-050

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	82.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	85.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	87.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	85.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	93.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	91.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	77.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-051

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	41.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-051

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-051

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	51.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	55.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	60.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	64.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	67.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	68.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	75.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	78.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	76.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	80.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	74.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	59.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	75.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	85.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-051

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	86.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	86.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	86.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	85.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	94.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	80.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	87.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	77.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	66.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-74 - 15867240528204

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0207 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.035	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0159 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0109	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0161 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0216 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.0884 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.153	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0186 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0298	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0387	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0284	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0711	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.0776	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0265	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.318	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-74 - 15867240528204

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0402 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.0585 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0122	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0388	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0508	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0160 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0509 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.138	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.180	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0278	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.204	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0108 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	1.05	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.114	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0148	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0885 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0744 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.0676	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0243	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.349	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.288	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.0870	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0646	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.511	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0554	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0145 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0622	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	1.82	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0384	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0310	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0933	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.422	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.207	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0952	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0147 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0302	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-74 - 15867240528204

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.29	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.0884	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0272	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0954	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0823	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.305	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0140	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	4.97	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	52.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	50.1 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	54.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	52.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	59.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	56.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	61.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	63.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	71.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	70.8 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	70.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	75.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	64.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	54.2 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	74.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	71.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-74 - 15867240528204
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	74.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	76.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	69.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	78.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	84.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	74.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	82.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	77.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	74.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-053

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	22.3	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-053

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-053

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	33.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	40.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	43.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	49.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	50.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	54.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	70.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	65.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	75.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	70.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	77.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	63.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	55.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	70.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	78.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-053

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	80.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	74.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	80.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	90.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	79.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	88.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	81.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	78.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-054

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	25.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-054

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-054

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	46.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	51.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	55.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	69.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	61.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	75.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	71.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.8 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	75.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	81.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	67.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	73.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	77.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-054

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	81.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	77.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	83.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	90.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	89.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	75.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-77 - 15867240528207
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	76.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0208	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	0.021	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0438	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.197	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0329	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0147	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0981 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.386	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0825	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0448	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0114	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.166 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0704	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0225	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0310	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.604 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.150	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	1.30	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0192	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0337	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.135	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0838	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0115	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0980	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0117	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.334	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.335	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0208	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.618	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.767	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.223	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	2.98	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0652 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-77 - 15867240528207

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.77	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.454	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.782	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.109	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.272	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.356	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.148	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.844	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	1.45	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	2.70	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.239	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	1.24	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.120 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.125 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	10.8	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	1.22	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.193	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	1.09 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.771	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.610	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.224	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	5.91	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	2.86	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	1.02	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.511	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	5.34	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.627	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.142	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.725 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	21.2	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	2.65	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.461	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.344	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	1.84	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	1.04	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	5.14	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	2.16	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.966	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.193	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0866	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.111 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.361 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-77 - 15867240528207

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	15.4	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	1.06	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.615 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	1.05	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.916	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0867	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.122	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0846 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	3.93	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.188	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0265 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0254	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.240	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0320	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0320	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	56.3	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	55.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	56.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	58.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	55.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	60.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	58.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	59.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	59.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	65.3 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	67.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	73.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	59.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	53.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	65.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-77 - 15867240528207
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	65.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	71.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	77.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	69.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	76.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	72.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	66.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-056

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	51.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-056

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.046	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.053 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-056

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	54.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	58.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	63.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	63.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	69.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	73.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	71.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	78.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	81.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.7 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	76.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	79.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	74.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	58.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	74.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	84.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-056

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	84.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	83.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	84.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	92.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	83.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	89.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	83.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	62.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-057

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-057

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.046	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.056	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-057

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	53.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	65.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	74.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	73.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	86.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	83.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.9 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	80.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	82.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	77.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	83.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	83.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-057

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	83.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	84.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	87.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	92.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	81.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	88.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	83.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	77.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-80 - 15867240529210
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0261	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0252 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.051	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0186	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0247	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0245	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.154 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.222	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0574	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0121	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0490	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0268	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0275	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0471	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.108	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.104	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.187	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.238	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0794	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.936	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0405	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0140	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-80 - 15867240529210

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.542	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.103	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.197	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0352	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0844	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.125	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0494	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.242	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.390	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.730	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0678	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.414	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0233 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0316	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	3.09	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.289	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0443	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.202 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.202	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.140	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0538	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	1.48	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.661	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.227	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.150	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	1.27	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.147	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0324	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.145	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	5.04	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.458	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0988	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0770	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.348	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.213	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	1.06	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.459	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.212	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0396	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0176	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0576 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0763 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-80 - 15867240529210

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.12	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.203	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0654	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.215	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.188	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0205 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0261	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.718	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0361	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.036	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	13.2	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	49.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	50.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	47.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	52.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	50.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	50.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	51.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	55.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	56.9 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	56.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	62.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	49.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	39.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	55.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	53.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-80 - 15867240529210
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	56.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	57.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	52.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	59.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	64.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	55.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	59.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	58.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	53.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-059

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-81 - 15867240529211
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-059

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-81 - 15867240529211
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.036	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-059

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-81 - 15867240529211
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	51.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	55.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	62.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	58.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	63.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	71.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	68.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	72.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	78.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	77.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	80.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	72.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	63.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	81.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-059

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-81 - 15867240529211
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	82.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	88.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	78.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	82.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	71.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	46.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-060

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-82 - 15867240529212

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-060

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-82 - 15867240529212
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-060

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-82 - 15867240529212
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	49.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	55.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	53.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	58.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	69.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	63.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	74.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	76.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	74.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	72.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	56.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	73.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	80.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-060

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-82 - 15867240529212
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	80.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	81.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	76.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	84.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	91.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	79.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	85.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	80.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	67.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-83 - 15867240529213

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	67.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0361	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.176	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0333	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0168	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	0.0173	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.260 [R],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.540	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.108	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0593	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.171	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0151	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.224	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.159	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0145	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0456	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0554	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	1.26 [R],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.519	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	2.63	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0481	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.302	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0904	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.305	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.213	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0221	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	0.0098	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.207	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.410	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0239	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.822	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.805	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0480	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	1.44	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	2.20	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.616	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	0.0581	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	7.62	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.389	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.160 [R],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-83 - 15867240529213

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	4.20	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	1.04	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	1.76	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.233	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.655	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	1.04	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.569	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	1.92	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	4.05	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	7.36	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.676	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	3.78	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.330	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.397 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	28.6	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	3.36	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.552	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	2.07 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	2.42	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	1.49	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.583	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	16.4	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	6.56	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	2.70	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	1.54	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	13.4	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	1.91	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.424	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	1.24	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	0.0110 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	54.7	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	8.02	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	1.58	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	1.18	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	5.64	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	3.50	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	16.2	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	7.07	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	3.25	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.642	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.347	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.331	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.591 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-83 - 15867240529213

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	48.4	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	3.73	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	1.30	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	3.74	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	3.24	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.295	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.431	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.179	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	12.9	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.654	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0755	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0967	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.826	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0600	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0600	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	156	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	55.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	55.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	58.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	56.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	62.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	59.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	61.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	60.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	70.2	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	62.5 R	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	65.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	70.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	59.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	48.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	71.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	63.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-83 - 15867240529213
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	68.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	63.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	72.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	76.2	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	67.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	75.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	70.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	68.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-062

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-84 - 15867240529214
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	30.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-062

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-84 - 15867240529214

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.034	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	0.042	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.101	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	0.046	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.091	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	0.24	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	0.030	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.091	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	0.038	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-062

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-84 - 15867240529214
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.20	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	0.027	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	0.44	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	53.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	59.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	60.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	66.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	69.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	69.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	70.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	82.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	78.4 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	78.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	81.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	76.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	57.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	80.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	81.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-062

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-84 - 15867240529214
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	83.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	76.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	89.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	94.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	81.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	87.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	67.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-063

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	25.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	0.053	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-063

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.107	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	0.048	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	0.093	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	0.186	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	0.105	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	0.61	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	0.073	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	0.034	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	0.060	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	0.032	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.354	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	0.142	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	0.061	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	0.037	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.285	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	0.041	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	1.16	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	0.178	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	0.026	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	0.104	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	0.058	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.312	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	0.118	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	0.055	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	0.025 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-063

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.88	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	0.143 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	0.065	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	0.056	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	0.26	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	2.91	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	51.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	55.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	62.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	59.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	64.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	70.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	69.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	76.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	80.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	80.4 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	75.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	76.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	73.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	57.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	63.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	82.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-063

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	76.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	82.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	84.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	81.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	91.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	80.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	86.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	78.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-86 - 15867240529216

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	80.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.0535 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.054	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0151	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0164	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0214	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0240	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0348	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.0555	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.184	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0099 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-86 - 15867240529216

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.113	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0202	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.0398	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0177	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0367	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0493	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.0596	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.124	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0110	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.0790	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.550	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.0507	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0408 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0438	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.0330	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0101	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.281	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.146	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.0503	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0403	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.257	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0251	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0236	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	1.00	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0245	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0184	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.101	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0528	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.254	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.123	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0548	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0211 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-86 - 15867240529216

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.782	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.0653	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0196	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0690	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0603	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.214	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	2.78	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	52.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	53.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	55.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	59.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	60.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	60.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	62.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	69.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	69.7 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	68.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	75.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	60.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	52.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	70.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	69.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-86 - 15867240529216
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	72.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	74.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	69.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	74.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	81.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	72.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	82.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	75.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	70.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-87 - 15867240529217
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	80.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0135	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0318 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.045	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0145	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0149	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0121	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.0171	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0310	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.348 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.0712 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.509	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0643	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0181 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0972	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0237	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0606	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0634	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0994	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.131	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.183	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.296	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0475	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	1.08	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0435	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-87 - 15867240529217

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.632	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.110	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.202	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0418	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.106	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.179	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0461	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.269	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.314	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.647	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0606	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.402	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0311	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0310 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	3.13	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.264	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0521	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.270	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0535	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	1.54	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.823	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.281	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.239	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	1.34	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.140	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0294	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.128	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	5.56	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.525	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0829	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.504	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.286	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	1.29	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.613	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.282	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0554	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0377 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0902 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-87 - 15867240529217

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.91	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.265	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0977	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.311	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.261	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0302	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0441	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0119 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	1.02	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0556	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0108 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.066	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	15.3	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	50.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	51.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	54.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	52.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	58.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	59.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	58.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	60.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	66.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	69.3 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	67.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	75.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	59.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	49.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	67.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	67.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-87 - 15867240529217
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	71.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	70.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	67.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	71.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	78.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	69.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	76.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	72.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	69.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-066

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-88 - 15867240529218
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	41.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-066

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-88 - 15867240529218
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.026	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.081	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.042	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.086	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.21	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.037	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.102	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.052	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-066

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-88 - 15867240529218

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.22	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.43	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	29.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	46.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	42.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	54.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	38.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	70.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	44.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	76.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	64.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	63.6 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	85.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	97.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	59.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	85.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	62.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-066

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-88 - 15867240529218
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	66.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	53.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	71.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	73.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	67.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	74.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	64.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-067

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	43.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-067

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.036	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.077	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.078	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.20	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.086	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.039	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-067

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.16	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.36	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	25.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	40.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	30.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	53.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	29.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	64.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	31.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	60.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	50.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	51.2 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	72.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	68.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	83.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	54.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	53.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-067

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	57.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	51.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	69.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	51.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	65.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	58.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-068

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	32.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	0.032 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	0.044	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	0.044 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	0.084	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	0.172	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	0.027	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	0.027	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.032	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	0.12	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-068

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.052	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	0.036	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	0.16	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.070	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.073	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.19	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.057	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-068

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.64	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	18.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	31.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	21.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	47.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	22.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	54.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	23.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	55.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	42.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	45.7 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	62.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	55.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	67.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	48.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	45.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-068

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	49.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	51.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	44.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	65.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	45.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	53.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	47.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	47.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-069

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.081 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-069

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.041	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.069	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.061	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.16	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.070	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.030	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-069

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.13	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.29	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	26.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	44.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	38.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	49.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	31.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	73.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	39.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	71.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	59.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	61.5 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	80.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	71.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	93.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	58.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	80.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	61.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-069

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	63.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	69.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	56.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	72.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	65.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	68.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	61.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-92 - 15867240530222

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	72.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0134	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0283	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.116	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0234	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0119	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.100 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.280	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0840	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0456	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.274 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0799	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0113	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0221	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0304 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.430 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.230 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	1.35	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0202	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0434	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0953	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0926	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0159	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0810	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.154	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0138	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.228	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.188	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.403	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.562	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.154	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	2.19	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0817	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0387	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-92 - 15867240530222

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.910	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.253	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.381	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0667	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.149	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.230	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.124	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.447	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.945	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	1.59	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.157	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.931	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0704	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0815	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	6.46	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.765	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.125	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.460 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.566	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.327	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.139	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	3.53	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	1.35	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.587	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.340	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	2.92	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.443	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0997	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.446	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	12.1	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	1.54	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.313	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.235	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	1.16	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.672	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	3.33	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	1.28	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.596	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0562	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0884 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.143	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-92 - 15867240530222

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	9.54	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.778	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.252	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.775	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.656	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0622	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0871	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0410	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	2.65	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.138	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0163	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0221 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.176	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	34.8	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	52.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	53.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	55.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	54.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	60.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	60.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	61.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	64.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	69.6 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	70.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	77.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	61.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	51.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	69.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	67.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-92 - 15867240530222
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	72.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	73.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	70.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	74.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	80.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	71.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	78.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	72.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	57.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-071

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	23.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	0.085 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.281 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	0.37	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-071

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	0.028 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.031	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-071

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.37	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	25.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	37.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	31.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	55.9 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	49.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	115	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	47.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	74.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	74.7 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	101	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	84.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	101	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	66.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	81.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	61.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-071

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	88.4 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	54.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	56.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	73.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	69.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	60.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-072

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	23.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-072

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-072

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	42.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	56.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	44.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	39.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	41.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	71.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	59.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	59.4 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	78.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	71.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	87.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	53.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	53.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-072

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	65.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	58.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	67.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	53.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	67.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	63.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	57.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-073

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	21.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	0.047 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	0.026 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	0.093 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	0.17	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	0.047 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	0.033	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	0.431 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	0.156 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	0.036 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	0.250 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	0.953	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	0.054	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	0.026 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	0.062	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	0.032	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	0.072	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	0.119	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	0.112	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	0.179	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.286	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	0.050	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	1.03	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	0.128 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-073

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.460	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	0.115 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	0.193 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	0.030 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	0.069	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	0.098	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	0.072	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	0.233	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	0.345	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.602	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	0.103	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	0.399	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	2.85	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	0.288	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	0.160	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	0.227	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	0.143	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	0.060 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	1.29	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.632	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	0.211	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	0.174	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	1.32	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	0.131	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	0.163	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	0.033	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	4.90	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.549	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	0.174 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	0.106 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	0.385	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	0.360	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	1.45	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.625	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	0.294	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	0.099 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	0.039 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	0.058 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-073

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	4.14	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	0.299	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	0.076	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	0.267	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	0.287	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	0.029 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	0.99	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	0.057	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	0.06	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	15.1	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	38.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	52.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	37.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	67.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	36.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	72.2 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	36.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	45.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	56.6 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	123 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	116 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	83.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	57.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	82.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	51.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-073

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	52.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	60.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	59.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	63.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	50.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	63.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	60.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	57.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	57.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-074

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-96 - 15867240530226
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	60.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	0.092 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	0.075 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	0.549 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	0.056 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	2.24 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	3.01	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-074

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-96 - 15867240530226
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.044	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.038	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-074

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-96 - 15867240530226
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	3.01	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	52.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	39.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	51.6 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	37.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	40.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	66.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	64.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	56.6 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	75.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	67.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	84.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	52.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	73.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	56.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-074

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-96 - 15867240530226
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	56.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	64.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	55.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	67.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	52.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	71.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	65.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-075

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	19.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-075

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-075

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	37.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	53.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	43.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	59.7 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	37.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	76.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	38.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	69.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	57.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	61.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	77.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	70.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	85.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	54.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	79.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	58.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-075

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	57.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	64.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	60.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	63.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	51.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	70.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	66.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	63.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	58.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-98 - 15867240530228

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	72.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0127	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-98 - 15867240530228
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0145	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0203	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0100	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.0176	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.0136	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.089	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.0451	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.0259	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.0422	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	0.113	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.0134	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.0351	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.0194	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-98 - 15867240530228

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.068	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0099	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	0.270	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	50.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	52.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	55.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	55.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	58.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	64.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	60.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	69.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	69.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	76.3 [R]	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	72.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	81.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	63.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	56.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	68.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	75.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-98 - 15867240530228
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	77.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	78.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	77.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	75.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	84.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	74.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	82.6	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	75.2	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	71.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-077

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-077

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-077

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	24.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	39.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	16.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	64.8 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	41.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	82.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	42.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	72.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	59.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	59.0 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	89.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	68.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	101	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	53.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	79.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	56.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-077

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	61.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	66.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	63.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	68.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	54.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	72.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	66.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	63.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	59.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-078

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	17.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-078

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-078

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	22.0 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	39.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	37.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	52.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	34.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	61.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	37.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	62.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	52.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	52.4 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	69.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	59.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	83.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	47.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	66.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	51.8 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-078

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	52.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	58.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	51.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	46.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	62.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	56.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	55.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	49.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-101 - 15867240530231

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	<0.50	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.033 [U]	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0112	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0217	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.0136	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-101 - 15867240530231

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0329	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0112	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0207	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.0206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.0470	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.0270	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.159	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.0192	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0104	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0106	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.0970	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.0467	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0111	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.0850	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0102 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	0.290	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.0320 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.0206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0113 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.0560	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.0341	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0134	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-101 - 15867240530231

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.167	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0133	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.030	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	0.646	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	53.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	55.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	57.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	54.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	60.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	59.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	59.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	62.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	70.8 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	66.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	73.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	57.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	51.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	68.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	68.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-101 - 15867240530231
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	71.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	72.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	68.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	72.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	80.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	69.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	76.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	73.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	60.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-080

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	30.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-080

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-080

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	34.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	56.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	43.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	57.3 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	38.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	74.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	42.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	73.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	63.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	59.4 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	83.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	69.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	100	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	83.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	62.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-080

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	61.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	60.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	73.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	73.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	65.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	66.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	59.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-081

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-081

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-081

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	26.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	40.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	30.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	50.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	27.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	59.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	29.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	62.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	54.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	52.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	72.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	65.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	86.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	53.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	63.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-081

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	65.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	59.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	73.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	55.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	68.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	62.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	68.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	58.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

ALS Canada Ltd.

right solutions. right partner.

QUALITY CONTROL REPORT

Work Order	: **BU2400982**	Page	: 1 of 79
Client	: Matrix Solutions Inc.	Laboratory	: ALS Environmental - Burlington
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 1435 Norjohn Court, Unit 1 Burlington, Ontario Canada L7L 0E6
Telephone	: 780 989 8347	Telephone	: +1 905 331 3111
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 13:48
PO	: ----	Date Analysis Commenced	: 07-Nov-2024
C-O-C number	: ----	Issue Date	: 08-Nov-2024 16:01
Sampler	: ----		
Site	: ----		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 81		
No. of samples analysed	: 81		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Reference Material (RM) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Philip Elder	Technical Manager	Burlington Organics, Burlington, Ontario

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 1754820)											
BU2400982-001	L2756004-3 15867240527003	Moisture	----	E144	0.50	%	85.8	85.4	0.507%	20%	----
Physical Tests (QC Lot: 1755121)											
BU2400982-002	L2756004-4 15867240527103	Moisture	----	E144	0.50	%	37.8	38.5	1.74%	20%	----
Physical Tests (QC Lot: 1755167)											
BU2400982-007	L2756004-9 15867240527006	Moisture	----	E144	0.50	%	65.3	65.1	0.298%	20%	----
Physical Tests (QC Lot: 1755216)											
BU2400982-026	L2756004-30 15867240528116	Moisture	----	E144	0.50	%	34.8	37.7	8.13%	20%	----
Physical Tests (QC Lot: 1755311)											
BU2400982-050	L2756004-72 15867240527202	Moisture	----	E144	0.50	%	58.4	61.9	5.79%	20%	----
Physical Tests (QC Lot: 1755369)											
BU2400982-066	L2756004-88 15867240529218	Moisture	----	E144	0.50	%	41.4	42.8	3.30%	20%	----
Polychlorinated Biphenyls (QC Lot: 1754612)											
BU2400982-026	L2756004-30 15867240528116	PCB 001	2051-60-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 012+013	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754612) - continued											
BU2400982-026	L2756004-30 15867240528116	PCB 024+027	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 037	38444-90-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 042+059	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 043+049	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 044	41464-39-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 045	70362-45-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 052+073	n/a	E689A	0.0966	ng/g wwt	0.196	0.262	0.0664	Diff <2x LOR	----
		PCB 053	41464-41-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 057	70424-67-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 063	74472-34-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 070+076	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 077	32598-13-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 081	70362-50-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 083+108	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0966	ng/g wwt	0.220	0.219	0.0008	Diff <2x LOR	----
		PCB 085+120	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0966	ng/g wwt	0.0932	<0.0966	0.0035	Diff <2x LOR	U
		PCB 091	68194-05-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 092	52663-61-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 093+095	n/a	E689A	0.0966	ng/g wwt	0.106	0.103	0.0030	Diff <2x LOR	----
		PCB 097	41464-51-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 099	38380-01-7	E689A	0.0966	ng/g wwt	0.104	0.111	0.0073	Diff <2x LOR	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754612) - continued											
BU2400982-026	L2756004-30 15867240528116	PCB 105+127	n/a	E689A	0.0966	ng/g wwt	0.102	0.101	0.0012	Diff <2x LOR	----
		PCB 106+118	n/a	E689A	0.0966	ng/g wwt	0.200	0.227	0.0272	Diff <2x LOR	----
		PCB 107+109	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 110	38380-03-9	E689A	0.0966	ng/g wwt	0.158	0.150	0.0082	Diff <2x LOR	----
		PCB 114	74472-37-0	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 123	65510-44-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 128+167	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 129	55215-18-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 132+168	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 135+144	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 136	38411-22-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689A	0.0966	ng/g wwt	0.345	0.353	0.0080	Diff <2x LOR	----
		PCB 139+149	n/a	E689A	0.0966	ng/g wwt	0.203	0.187	0.0157	Diff <2x LOR	----
		PCB 141	52712-04-6	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 151	52663-63-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 153	35065-27-1	E689A	0.0966	ng/g wwt	0.312	0.315	0.0030	Diff <2x LOR	----
		PCB 156	38380-08-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 157	69782-90-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 158+160	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 159	39635-35-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 171	52663-71-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 172+192	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 174+181	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 177	52663-70-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 180	35065-29-3	E689A	0.0966	ng/g wwt	0.155	0.188	0.0332	Diff <2x LOR	----
		PCB 182+187	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 183	52663-69-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 185	52712-05-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 189	39635-31-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754612) - continued											
BU2400982-026	L2756004-30 15867240528116	PCB 191	74472-50-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 193	69782-91-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 194	35694-08-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 195	52663-78-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 196+203	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 199	52663-75-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 201+204	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 202	2136-99-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 205	74472-53-0	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 206	40186-72-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 207	52663-79-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 209	2051-24-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754619)											
BU2400982-002	L2756004-4 15867240527103	PCB 001	2051-60-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 012+013	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 024+027	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754619) - continued											
BU2400982-002	L2756004-4 15867240527103	PCB 037	38444-90-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 042+059	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 043+049	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 044	41464-39-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 045	70362-45-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 052+073	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 053	41464-41-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 057	70424-67-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 063	74472-34-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 070+076	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 077	32598-13-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 081	70362-50-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 083+108	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 085+120	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 091	68194-05-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 092	52663-61-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 093+095	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 097	41464-51-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 099	38380-01-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 105+127	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 106+118	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 107+109	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 110	38380-03-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754619) - continued											
BU2400982-002	L2756004-4 15867240527103	PCB 114	74472-37-0	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 123	65510-44-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 128+167	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 129	55215-18-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 132+168	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 135+144	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 136	38411-22-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 139+149	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 141	52712-04-6	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 151	52663-63-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 153	35065-27-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 156	38380-08-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 157	69782-90-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 158+160	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 159	39635-35-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 171	52663-71-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 172+192	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 174+181	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 177	52663-70-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 180	35065-29-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 182+187	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 183	52663-69-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 185	52712-05-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 189	39635-31-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 191	74472-50-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 193	69782-91-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 194	35694-08-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 195	52663-78-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754619) - continued											
BU2400982-002	L2756004-4 15867240527103	PCB 196+203	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 199	52663-75-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 201+204	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 202	2136-99-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 205	74472-53-0	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 206	40186-72-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 207	52663-79-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 209	2051-24-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754767)											
BU2400982-007	L2756004-9 15867240527006	PCB 001	2051-60-7	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0095	ng/g wwt	0.0191	<0.0095	0.0095	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0095	ng/g wwt	0.0113	<0.0095	0.0018	Diff <2x LOR	U
		PCB 012+013	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0095	ng/g wwt	0.0135	<0.0095	0.0039	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0095	ng/g wwt	0.0108	<0.0095	0.0013	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 024+027	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 037	38444-90-5	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0095	ng/g wwt	0.0450	0.0277	0.0172	Diff <2x LOR	----
		PCB 042+059	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754767) - continued											
BU2400982-007	L2756004-9 15867240527006	PCB 043+049	n/a	E689A	0.0095	ng/g wwt	0.0248	0.0146	0.0102	Diff <2x LOR	----
		PCB 044	41464-39-5	E689A	0.0095	ng/g wwt	0.0214	0.0132	0.0081	Diff <2x LOR	----
		PCB 045	70362-45-7	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689A	0.0095	ng/g wwt	0.0128	0.0107	0.0021	Diff <2x LOR	----
		PCB 052+073	n/a	E689A	0.0095	ng/g wwt	0.0502	# 0.0269	0.0232	Diff <2x LOR	DUP-H
		PCB 053	41464-41-9	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0095	ng/g wwt	0.0555	0.0358	43.1%	50%	----
		PCB 057	70424-67-8	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0095	ng/g wwt	0.0639	0.0399	46.2%	50%	----
		PCB 063	74472-34-7	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0095	ng/g wwt	0.100	0.0598	50.8%	50%	DUP-H
		PCB 070+076	n/a	E689A	0.0095	ng/g wwt	0.173	0.104	50.0%	50%	----
		PCB 077	32598-13-3	E689A	0.0095	ng/g wwt	0.0528	0.0310	51.9%	50%	DUP-H
		PCB 081	70362-50-4	E689A	0.0500	ng/g wwt	<0.0500	<0.0500	0	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0095	ng/g wwt	0.0500	0.0314	45.7%	50%	----
		PCB 083+108	n/a	E689A	0.0095	ng/g wwt	0.0128	<0.0095	0.0033	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0095	ng/g wwt	0.367	0.228	46.7%	50%	----
		PCB 085+120	n/a	E689A	0.0095	ng/g wwt	0.0812	0.0464	54.6%	50%	DUP-H
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0095	ng/g wwt	0.179	0.107	50.4%	50%	DUP-H
		PCB 091	68194-05-8	E689A	0.0095	ng/g wwt	0.0244	0.0145	0.0100	Diff <2x LOR	----
		PCB 092	52663-61-3	E689A	0.0095	ng/g wwt	0.0598	0.0335	56.2%	50%	DUP-H
		PCB 093+095	n/a	E689A	0.0095	ng/g wwt	0.129	0.0776	49.5%	50%	----
		PCB 097	41464-51-1	E689A	0.0095	ng/g wwt	0.0406	0.0256	0.0149	Diff <2x LOR	----
		PCB 099	38380-01-7	E689A	0.0095	ng/g wwt	0.145	0.0939	42.5%	50%	----
		PCB 105+127	n/a	E689A	0.0095	ng/g wwt	0.223	0.138	47.2%	50%	----
		PCB 106+118	n/a	E689A	0.0095	ng/g wwt	0.472	0.298	45.1%	50%	----
		PCB 107+109	n/a	E689A	0.0095	ng/g wwt	0.0349	0.0281	0.0068	Diff <2x LOR	----
		PCB 110	38380-03-9	E689A	0.0095	ng/g wwt	0.348	0.217	46.4%	50%	----
		PCB 114	74472-37-0	E689A	0.0095	ng/g wwt	0.0124	0.0108	0.0016	Diff <2x LOR	----
		PCB 123	65510-44-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0095	ng/g wwt	0.0264	0.0175	0.0089	Diff <2x LOR	----
		PCB 128+167	n/a	E689A	0.0095	ng/g wwt	0.187	0.123	40.9%	50%	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754767) - continued											
BU2400982-007	L2756004-9 15867240527006	PCB 129	55215-18-4	E689A	0.0095	ng/g wwt	0.0291	0.0217	0.0074	Diff <2x LOR	----
		PCB 131+142+146+165	n/a	E689A	0.0095	ng/g wwt	0.113	0.0796	34.8%	50%	----
		PCB 132+168	n/a	E689A	0.0095	ng/g wwt	0.173	0.119	37.2%	50%	----
		PCB 135+144	n/a	E689A	0.0095	ng/g wwt	0.100	0.0640	44.2%	50%	----
		PCB 136	38411-22-2	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0095	ng/g wwt	0.0371	0.0254	0.0117	Diff <2x LOR	----
		PCB 138+163+164	n/a	E689A	0.0095	ng/g wwt	0.893	0.604	38.5%	50%	----
		PCB 139+149	n/a	E689A	0.0095	ng/g wwt	0.431	0.281	42.3%	50%	----
		PCB 141	52712-04-6	E689A	0.0095	ng/g wwt	0.155	0.102	40.7%	50%	----
		PCB 151	52663-63-5	E689A	0.0095	ng/g wwt	0.111	0.0703	44.8%	50%	----
		PCB 153	35065-27-1	E689A	0.0095	ng/g wwt	0.695	0.462	40.2%	50%	----
		PCB 156	38380-08-4	E689A	0.0095	ng/g wwt	0.0857	0.0627	31.0%	50%	----
		PCB 157	69782-90-7	E689A	0.0095	ng/g wwt	0.0213	0.0147	0.0066	Diff <2x LOR	----
		PCB 158+160	n/a	E689A	0.0095	ng/g wwt	0.0965	0.0718	29.3%	50%	----
		PCB 159	39635-35-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0095	ng/g wwt	0.329	0.322	2.17%	50%	----
		PCB 171	52663-71-5	E689A	0.0095	ng/g wwt	0.0626	0.0409	41.9%	50%	----
		PCB 172+192	n/a	E689A	0.0095	ng/g wwt	0.0403	0.0271	0.0132	Diff <2x LOR	----
		PCB 174+181	n/a	E689A	0.0095	ng/g wwt	0.247	0.153	47.0%	50%	----
		PCB 177	52663-70-4	E689A	0.0095	ng/g wwt	0.129	0.0865	39.8%	50%	----
		PCB 180	35065-29-3	E689A	0.0095	ng/g wwt	0.616	0.406	41.2%	50%	----
		PCB 182+187	n/a	E689A	0.0095	ng/g wwt	0.275	0.170	46.9%	50%	----
		PCB 183	52663-69-1	E689A	0.0095	ng/g wwt	0.129	0.0808	46.2%	50%	----
		PCB 185	52712-05-7	E689A	0.0095	ng/g wwt	0.0266	0.0158	0.0108	Diff <2x LOR	----
		PCB 189	39635-31-9	E689A	0.0095	ng/g wwt	0.0114	0.0096	0.0018	Diff <2x LOR	----
		PCB 191	74472-50-7	E689A	0.0095	ng/g wwt	0.491	<0.0095	192%	50%	DUP-H,U
		PCB 193	69782-91-8	E689A	0.0095	ng/g wwt	0.0374	0.0232	0.0142	Diff <2x LOR	----
		PCB 194	35694-08-7	E689A	0.0095	ng/g wwt	0.136	0.0786	53.9%	50%	DUP-H
		PCB 195	52663-78-2	E689A	0.0095	ng/g wwt	0.0480	0.0349	31.7%	50%	----
		PCB 196+203	n/a	E689A	0.0095	ng/g wwt	0.153	0.0927	49.3%	50%	----
		PCB 199	52663-75-9	E689A	0.0095	ng/g wwt	0.127	0.0803	45.0%	50%	----
		PCB 201+204	n/a	E689A	0.0095	ng/g wwt	0.0125	0.0135	0.0010	Diff <2x LOR	----
		PCB 202	2136-99-4	E689A	0.0095	ng/g wwt	0.0131	0.0102	0.0029	Diff <2x LOR	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754767) - continued											
BU2400982-007	L2756004-9 15867240527006	PCB 205	74472-53-0	E689A	0.0095	ng/g wwt	0.107	<0.0095	167%	50%	DUP-H,U
		PCB 206	40186-72-9	E689A	0.0095	ng/g wwt	0.0231	0.0165	0.0066	Diff <2x LOR	----
		PCB 207	52663-79-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 209	2051-24-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754769)											
BU2400982-001	L2756004-3 15867240527003	PCB 001	2051-60-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0099	ng/g wwt	0.150	# 0.0226	0.127	Diff <2x LOR	B,DUP-H
		PCB 012+013	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 024+027	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 037	38444-90-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 042+059	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 043+049	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 044	41464-39-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 045	70362-45-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754769) - continued											
BU2400982-001	L2756004-3 15867240527003	PCB 047+048+075	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 052+073	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 053	41464-41-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 057	70424-67-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 063	74472-34-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 070+076	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 077	32598-13-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 081	70362-50-4	E689A	0.0500	ng/g wwt	<0.0674	<0.0500	0.0174	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 083+108	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0099	ng/g wwt	0.119	# 0.0162	0.103	Diff <2x LOR	DUP-H
		PCB 085+120	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0099	ng/g wwt	0.0690	<0.0099	0.0591	Diff <2x LOR	U
		PCB 091	68194-05-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 092	52663-61-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 093+095	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 097	41464-51-1	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 099	38380-01-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 105+127	n/a	E689A	0.0099	ng/g wwt	0.0877	0.0133	0.0744	Diff <2x LOR	----
		PCB 106+118	n/a	E689A	0.0099	ng/g wwt	0.158	# 0.0262	0.131	Diff <2x LOR	DUP-H
		PCB 107+109	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 110	38380-03-9	E689A	0.0099	ng/g wwt	0.112	# 0.0151	0.0965	Diff <2x LOR	DUP-H
		PCB 114	74472-37-0	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 123	65510-44-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 128+167	n/a	E689A	0.0099	ng/g wwt	0.0805	0.0107	0.0699	Diff <2x LOR	----
		PCB 129	55215-18-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 132+168	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 135+144	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754769) - continued											
BU2400982-001	L2756004-3 15867240527003	PCB 136	38411-22-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689A	0.0099	ng/g wwt	0.316	0.0423	153%	50%	DUP-H
		PCB 139+149	n/a	E689A	0.0099	ng/g wwt	0.147	# 0.0175	0.129	Diff <2x LOR	DUP-H
		PCB 141	52712-04-6	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 151	52663-63-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 153	35065-27-1	E689A	0.0099	ng/g wwt	0.268	# 0.0346	0.233	Diff <2x LOR	DUP-H
		PCB 156	38380-08-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 157	69782-90-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 158+160	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 159	39635-35-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0099	ng/g wwt	0.118	# <0.0099	0.108	Diff <2x LOR	DUP-H,U
		PCB 171	52663-71-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 172+192	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 174+181	n/a	E689A	0.0099	ng/g wwt	0.0840	0.0108	0.0732	Diff <2x LOR	----
		PCB 177	52663-70-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 180	35065-29-3	E689A	0.0099	ng/g wwt	0.249	# 0.0381	0.211	Diff <2x LOR	DUP-H
		PCB 182+187	n/a	E689A	0.0099	ng/g wwt	0.105	# 0.0127	0.0919	Diff <2x LOR	DUP-H
		PCB 183	52663-69-1	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 185	52712-05-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 189	39635-31-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 191	74472-50-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 193	69782-91-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 194	35694-08-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 195	52663-78-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 196+203	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 199	52663-75-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 201+204	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 202	2136-99-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 205	74472-53-0	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 206	40186-72-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 207	52663-79-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754769) - continued											
BU2400982-001	L2756004-3 15867240527003	PCB 209	2051-24-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754775)											
BU2400982-066	L2756004-88 15867240529218	PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 004+010	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 005+008	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 007+009	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 012+013	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 016+032	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 024+027	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 028+031	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 042+059	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 043+049	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 052+073	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 056+060	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754775) - continued											
BU2400982-066	L2756004-88 15867240529218	PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 061+074	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	0.049	0.024	Diff <2x LOR	----
		PCB 066+080	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 070+076	n/a	E689	0.025	ng/g	<0.025	0.212	158%	50%	DUP-H
		PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 083+108	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689	0.025	ng/g	0.026	<0.025	0.001	Diff <2x LOR	U
		PCB 085+120	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 093+095	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 105+127	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 106+118	n/a	E689	0.025	ng/g	0.035	0.030	0.005	Diff <2x LOR	----
		PCB 107+109	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 128+167	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 132+168	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 135+144	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689	0.025	ng/g	0.081	0.082	0.0010	Diff <2x LOR	----
		PCB 139+149	n/a	E689	0.025	ng/g	0.042	0.039	0.003	Diff <2x LOR	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754775) - continued											
BU2400982-066	L2756004-88 15867240529218	PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 153	35065-27-1	E689	0.025	ng/g	0.086	0.079	0.006	Diff <2x LOR	----
		PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 158+160	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 170+190	n/a	E689	0.025	ng/g	0.037	0.042	0.005	Diff <2x LOR	----
		PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 172+192	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 174+181	n/a	E689	0.025	ng/g	0.028	0.034	0.007	Diff <2x LOR	----
		PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 180	35065-29-3	E689	0.025	ng/g	0.102	0.118	13.8%	50%	----
		PCB 182+187	n/a	E689	0.025	ng/g	0.052	0.055	0.003	Diff <2x LOR	----
		PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 196+203	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	0.025	0.0004	Diff <2x LOR	----
		PCB 201+204	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754776)											
BU2400982-050	L2756004-72 15867240527202	PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	0.270	166%	50%	DUP-H

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754776) - continued											
BU2400982-050	L2756004-72 15867240527202	PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 004+010	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 005+008	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 007+009	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 012+013	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 016+032	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	# 0.163	0.138	Diff <2x LOR	DUP-H
		PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	# 0.167	0.142	Diff <2x LOR	DUP-H
		PCB 024+027	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	0.055	0.030	Diff <2x LOR	----
		PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	0.413	177%	50%	DUP-H
		PCB 028+031	n/a	E689	0.025	ng/g	<0.025	0.048	0.023	Diff <2x LOR	----
		PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 042+059	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 043+049	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 052+073	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 056+060	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 061+074	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 066+080	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754776) - continued											
BU2400982-050	L2756004-72 15867240527202	PCB 070+076	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 083+108	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 085+120	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 093+095	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 105+127	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 106+118	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 107+109	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 128+167	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 132+168	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 135+144	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 139+149	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 153	35065-27-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754776) - continued											
BU2400982-050	L2756004-72 15867240527202	PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 158+160	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 170+190	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 172+192	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 174+181	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 180	35065-29-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 182+187	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 196+203	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 201+204	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Qualifiers

Qualifier	*Description*
B	*Method Blank exceeds ALS DQO. Associated sample results which are < Limit of Reporting or > 5 times blank level are considered reliable.*
DUP-H	*Duplicate results outside ALS DQO, due to sample heterogeneity.*
U	*Not Detected.*

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1754820)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755121)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755167)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755216)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755311)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755369)						
Moisture	----	E144	0.5	%	<0.50	----
Polychlorinated Biphenyls (QCLot: 1754608)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.0092	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued						
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued						
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued						
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754612)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued						
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued						
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754619)						
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued						
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued						
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued						
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754767)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued						
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued						
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued						
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754769)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.0100	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued						
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued						
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued						
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754775)						
PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	U
PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	U
PCB 004+010	n/a	E689	0.025	ng/g	<0.025	U
PCB 005+008	n/a	E689	0.025	ng/g	<0.025	U
PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	U
PCB 007+009	n/a	E689	0.025	ng/g	<0.025	U
PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	U
PCB 012+013	n/a	E689	0.025	ng/g	<0.025	U
PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	U
PCB 016+032	n/a	E689	0.025	ng/g	<0.025	U
PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	U
PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	U
PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	U
PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	U
PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	U
PCB 024+027	n/a	E689	0.025	ng/g	<0.025	U
PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	U
PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	U
PCB 028+031	n/a	E689	0.025	ng/g	<0.025	U
PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	U
PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	U
PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	U
PCB 042+059	n/a	E689	0.025	ng/g	<0.025	U
PCB 043+049	n/a	E689	0.025	ng/g	<0.025	U
PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	U
PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	U
PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	U
PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	U
PCB 052+073	n/a	E689	0.025	ng/g	<0.025	U
PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	U
PCB 056+060	n/a	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued						
PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	U
PCB 061+074	n/a	E689	0.025	ng/g	<0.025	U
PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	U
PCB 066+080	n/a	E689	0.025	ng/g	<0.025	U
PCB 070+076	n/a	E689	0.025	ng/g	<0.025	U
PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	U
PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	U
PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	U
PCB 083+108	n/a	E689	0.025	ng/g	<0.025	U
PCB 084+089+090+101	n/a	E689	0.025	ng/g	<0.025	U
PCB 085+120	n/a	E689	0.025	ng/g	<0.025	U
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	U
PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	U
PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	U
PCB 093+095	n/a	E689	0.025	ng/g	<0.025	U
PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	U
PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	U
PCB 105+127	n/a	E689	0.025	ng/g	<0.025	U
PCB 106+118	n/a	E689	0.025	ng/g	<0.025	U
PCB 107+109	n/a	E689	0.025	ng/g	<0.025	U
PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	U
PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	U
PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	U
PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	U
PCB 128+167	n/a	E689	0.025	ng/g	<0.025	U
PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	U
PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	U
PCB 132+168	n/a	E689	0.025	ng/g	<0.025	U
PCB 135+144	n/a	E689	0.025	ng/g	<0.025	U
PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	U
PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	U
PCB 138+163+164	n/a	E689	0.025	ng/g	<0.025	U
PCB 139+149	n/a	E689	0.025	ng/g	<0.025	U
PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	U
PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued						
PCB 153	35065-27-1	E689	0.025	ng/g	<0.025	U
PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	U
PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	U
PCB 158+160	n/a	E689	0.025	ng/g	<0.025	U
PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	U
PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	U
PCB 170+190	n/a	E689	0.025	ng/g	<0.025	U
PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	U
PCB 172+192	n/a	E689	0.025	ng/g	<0.025	U
PCB 174+181	n/a	E689	0.025	ng/g	<0.025	U
PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	U
PCB 180	35065-29-3	E689	0.025	ng/g	<0.025	U
PCB 182+187	n/a	E689	0.025	ng/g	<0.025	U
PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	U
PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	U
PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	U
PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	U
PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	U
PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	U
PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	U
PCB 196+203	n/a	E689	0.025	ng/g	<0.025	U
PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	U
PCB 201+204	n/a	E689	0.025	ng/g	<0.025	U
PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	U
PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	U
PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	U
PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	U
PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	U
PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	U
Polychlorinated Biphenyls (QCLot: 1754776)						
PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	U
PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	U
PCB 004+010	n/a	E689	0.025	ng/g	<0.025	U
PCB 005+008	n/a	E689	0.025	ng/g	<0.025	U
PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued						
PCB 007+009	n/a	E689	0.025	ng/g	<0.025	U
PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	U
PCB 012+013	n/a	E689	0.025	ng/g	<0.025	U
PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	U
PCB 016+032	n/a	E689	0.025	ng/g	<0.025	U
PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	U
PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	U
PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	U
PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	U
PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	U
PCB 024+027	n/a	E689	0.025	ng/g	<0.025	U
PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	U
PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	U
PCB 028+031	n/a	E689	0.025	ng/g	<0.025	U
PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	U
PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	U
PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	U
PCB 042+059	n/a	E689	0.025	ng/g	<0.025	U
PCB 043+049	n/a	E689	0.025	ng/g	<0.025	U
PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	U
PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	U
PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	U
PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	U
PCB 052+073	n/a	E689	0.025	ng/g	<0.025	U
PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	U
PCB 056+060	n/a	E689	0.025	ng/g	<0.025	U
PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	U
PCB 061+074	n/a	E689	0.025	ng/g	<0.025	U
PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	U
PCB 066+080	n/a	E689	0.025	ng/g	<0.025	U
PCB 070+076	n/a	E689	0.025	ng/g	<0.025	U
PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	U
PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	U
PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	U
PCB 083+108	n/a	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued						
PCB 084+089+090+101	n/a	E689	0.025	ng/g	<0.025	U
PCB 085+120	n/a	E689	0.025	ng/g	<0.025	U
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	U
PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	U
PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	U
PCB 093+095	n/a	E689	0.025	ng/g	<0.025	U
PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	U
PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	U
PCB 105+127	n/a	E689	0.025	ng/g	<0.025	U
PCB 106+118	n/a	E689	0.025	ng/g	<0.025	U
PCB 107+109	n/a	E689	0.025	ng/g	<0.025	U
PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	U
PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	U
PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	U
PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	U
PCB 128+167	n/a	E689	0.025	ng/g	<0.025	U
PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	U
PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	U
PCB 132+168	n/a	E689	0.025	ng/g	<0.025	U
PCB 135+144	n/a	E689	0.025	ng/g	<0.025	U
PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	U
PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	U
PCB 138+163+164	n/a	E689	0.025	ng/g	<0.025	U
PCB 139+149	n/a	E689	0.025	ng/g	<0.025	U
PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	U
PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	U
PCB 153	35065-27-1	E689	0.025	ng/g	<0.025	U
PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	U
PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	U
PCB 158+160	n/a	E689	0.025	ng/g	<0.025	U
PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	U
PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	U
PCB 170+190	n/a	E689	0.025	ng/g	<0.025	U
PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	U
PCB 172+192	n/a	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued						
PCB 174+181	n/a	E689	0.025	ng/g	<0.025	U
PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	U
PCB 180	35065-29-3	E689	0.025	ng/g	<0.025	U
PCB 182+187	n/a	E689	0.025	ng/g	<0.025	U
PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	U
PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	U
PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	U
PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	U
PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	U
PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	U
PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	----
PCB 196+203	n/a	E689	0.025	ng/g	<0.025	U
PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	U
PCB 201+204	n/a	E689	0.025	ng/g	<0.025	U
PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	U
PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	U
PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	U
PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	U
PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	U
PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	U

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1754820)									
Moisture	----	E144	0.5	%	50 %	98.9	90.0	110	----
Physical Tests (QCLot: 1755121)									
Moisture	----	E144	0.5	%	50 %	98.1	90.0	110	----
Physical Tests (QCLot: 1755167)									
Moisture	----	E144	0.5	%	50 %	100	90.0	110	----
Physical Tests (QCLot: 1755216)									
Moisture	----	E144	0.5	%	50 %	97.6	90.0	110	----
Physical Tests (QCLot: 1755311)									
Moisture	----	E144	0.5	%	50 %	98.9	90.0	110	----
Physical Tests (QCLot: 1755369)									
Moisture	----	E144	0.5	%	50 %	99.9	90.0	110	----
Polychlorinated Biphenyls (QCLot: 1754608)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	111	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	100	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.8	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	116	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	94.6	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	99.0	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	102	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	108	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	100	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	109	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	99.6	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	101	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.9	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	87.1	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	101	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	102	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	117	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	111	50.0	150	----
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.0	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	114	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.0	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.0	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	80.3	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	117	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.8	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.3	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	80.4	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.2	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	86.6	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	75.5	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	77.6	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	101	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	109	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.5	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	101	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	97.9	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.0	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	88.1	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	106	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	81.9	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.6	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.0	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.9	50.0	150	----
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.8	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.2	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.5	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	116	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.0	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.9	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.6	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.3	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	91.9	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.5	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.4	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.4	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	102	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	91.4	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	101	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	97.7	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	88.4	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.7	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	90.4	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	83.5	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	81.3	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	78.3	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	73.6	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754612)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	113	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	96.1	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	119	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	129	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	117	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	98.7	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	89.0	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	90.9	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	101	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	109	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	115	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	101	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	127	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	117	50.0	150	----
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	89.4	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.3	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	101	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.6	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.7	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	106	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	122	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	105	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	113	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	92.4	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	124	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	95.5	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	82.1	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.8	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	118	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	71.1	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	125	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	120	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.7	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	120	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.7	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.0	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.8	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	90.0	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.5	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	117	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	119	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	105	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	109	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	91.7	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	118	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	123	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.7	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	126	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	106	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	103	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	80.8	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	95.4	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.3	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	110	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	103	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	109	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	101	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	109	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	96.7	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	92.2	50.0	150	----
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	83.2	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.7	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	76.6	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	74.5	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754619)									
PCB 001	2051-60-7	E689A	----	ng/g wwt	0.2 ng/g wwt	129	50.0	150	----
PCB 003	2051-62-9	E689A	----	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	102	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.2	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	136	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	138	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	101	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	85.8	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	84.7	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	113	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	107	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	116	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.3	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	114	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	104	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.5	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	102	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	99.5	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	85.4	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.6	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.8	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.4	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	99.3	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	115	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	126	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	112	50.0	150	----
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	122	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	106	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	119	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.6	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	100	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	78.2	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	114	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.6	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.0	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	80.0	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	84.2	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.0	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	74.1	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	86.8	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	113	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.8	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.9	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.3	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	104	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	97.1	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	88.6	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.0	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	104	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	79.3	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	76.1	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.4	50.0	150	----
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.2	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	100	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.2	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	116	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.0	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.8	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.9	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.7	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.8	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.4	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.9	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.5	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	99.2	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	91.7	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	102	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	99.3	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	87.8	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.3	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	89.5	50.0	150	----
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	81.3	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	78.9	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	76.2	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	71.7	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754767)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	105	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	96.3	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.5	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	109	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	98.6	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	94.3	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	97.8	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	102	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	101	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	113	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	104	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	110	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	95.6	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	104	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	89.0	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	103	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	119	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.6	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	113	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.2	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	74.4	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	83.0	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	115	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.8	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.4	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	85.4	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.4	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	88.3	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	68.2	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	72.6	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.4	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.1	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.2	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.5	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	114	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	99.3	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.3	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	108	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	86.4	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	86.9	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.5	50.0	150	----
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.0	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	118	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.3	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.1	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.8	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	95.2	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	100	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.1	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.5	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	92.6	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.8	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.2	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.2	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.7	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	86.9	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	98.4	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	95.4	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	91.2	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	93.5	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	89.0	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	82.3	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	79.3	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	76.1	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	71.6	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754769)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	125	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	121	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	124	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	124	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	121	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	144	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	134	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	103	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	91.6	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	86.7	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	116	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	109	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.0	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	109	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	125	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	119	50.0	150	----
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	99.6	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	106	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	94.4	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.2	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.3	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.5	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.4	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	114	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	122	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	127	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	121	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	129	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	103	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	136	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	115	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	112	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.9	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	81.0	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	125	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	115	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	88.8	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	76.2	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.2	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	86.6	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	87.6	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	81.4	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	109	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.7	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	118	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.8	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	104	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.6	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	94.7	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.2	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	102	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	77.1	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.8	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.5	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	88.6	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	118	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.6	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	103	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	88.6	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.2	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.1	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	92.1	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.5	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	105	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	109	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	90.1	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	106	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	93.9	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	103	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.1	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	86.9	50.0	150	----
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	83.4	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	92.1	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	75.6	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	71.3	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754775)									
PCB 001	2051-60-7	E689	0.025	ng/g	0.2 ng/g	101	50.0	150	----
PCB 003	2051-62-9	E689	0.025	ng/g	0.2 ng/g	88.4	50.0	150	----
PCB 004+010	n/a	E689	0.025	ng/g	0.4 ng/g	88.1	50.0	150	----
PCB 005+008	n/a	E689	0.025	ng/g	0.4 ng/g	71.5	50.0	150	----
PCB 006	25569-80-6	E689	0.025	ng/g	0.2 ng/g	75.8	50.0	150	----
PCB 007+009	n/a	E689	0.025	ng/g	0.4 ng/g	71.0	50.0	150	----
PCB 011	2050-67-1	E689	0.025	ng/g	0.2 ng/g	104	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
PCB 012+013	n/a	E689	0.025	ng/g	0.4 ng/g	116	50.0	150	----
PCB 015	2050-68-2	E689	0.025	ng/g	0.2 ng/g	93.8	50.0	150	----
PCB 016+032	n/a	E689	0.025	ng/g	0.4 ng/g	72.8	50.0	150	----
PCB 017	37680-66-3	E689	0.025	ng/g	0.2 ng/g	83.7	50.0	150	----
PCB 018	37680-65-2	E689	0.025	ng/g	0.2 ng/g	74.8	50.0	150	----
PCB 019	38444-73-4	E689	0.025	ng/g	0.2 ng/g	94.1	50.0	150	----
PCB 020+021+033	n/a	E689	0.025	ng/g	0.6 ng/g	113	50.0	150	----
PCB 022	38444-85-8	E689	0.025	ng/g	0.2 ng/g	108	50.0	150	----
PCB 024+027	n/a	E689	0.025	ng/g	0.4 ng/g	71.0	50.0	150	----
PCB 025	55712-37-3	E689	0.025	ng/g	0.2 ng/g	110	50.0	150	----
PCB 026	38444-81-4	E689	0.025	ng/g	0.2 ng/g	93.7	50.0	150	----
PCB 028+031	n/a	E689	0.025	ng/g	0.4 ng/g	114	50.0	150	----
PCB 037	38444-90-5	E689	0.025	ng/g	0.2 ng/g	88.3	50.0	150	----
PCB 040	38444-93-8	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 041+064+068+071	n/a	E689	0.025	ng/g	1.6 ng/g	107	50.0	150	----
PCB 042+059	n/a	E689	0.025	ng/g	0.8 ng/g	103	50.0	150	----
PCB 043+049	n/a	E689	0.025	ng/g	0.8 ng/g	111	50.0	150	----
PCB 044	41464-39-5	E689	0.025	ng/g	0.4 ng/g	105	50.0	150	----
PCB 045	70362-45-7	E689	0.025	ng/g	0.4 ng/g	65.8	50.0	150	----
PCB 046	41464-47-5	E689	0.025	ng/g	0.4 ng/g	80.6	50.0	150	----
PCB 047+048+075	n/a	E689	0.025	ng/g	1.2 ng/g	110	50.0	150	----
PCB 052+073	n/a	E689	0.025	ng/g	0.8 ng/g	122	50.0	150	----
PCB 053	41464-41-9	E689	0.025	ng/g	0.4 ng/g	122	50.0	150	----
PCB 056+060	n/a	E689	0.025	ng/g	0.8 ng/g	121	50.0	150	----
PCB 057	70424-67-8	E689	0.025	ng/g	0.4 ng/g	93.5	50.0	150	----
PCB 061+074	n/a	E689	0.025	ng/g	0.8 ng/g	142	50.0	150	----
PCB 063	74472-34-7	E689	0.025	ng/g	0.4 ng/g	114	50.0	150	----
PCB 066+080	n/a	E689	0.025	ng/g	0.8 ng/g	119	50.0	150	----
PCB 070+076	n/a	E689	0.025	ng/g	0.8 ng/g	112	50.0	150	----
PCB 077	32598-13-3	E689	0.025	ng/g	0.4 ng/g	109	50.0	150	----
PCB 081	70362-50-4	E689	0.025	ng/g	0.4 ng/g	81.5	50.0	150	----
PCB 082	52663-62-4	E689	0.025	ng/g	0.4 ng/g	85.0	50.0	150	----
PCB 083+108	n/a	E689	0.025	ng/g	0.8 ng/g	105	50.0	150	----
PCB 084+089+090+101	n/a	E689	0.025	ng/g	1.6 ng/g	90.9	50.0	150	----
PCB 085+120	n/a	E689	0.025	ng/g	0.8 ng/g	104	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	2.8 ng/g	# 156	50.0	150	LCS-H

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
PCB 091	68194-05-8	E689	0.025	ng/g	0.4 ng/g	107	50.0	150	----
PCB 092	52663-61-3	E689	0.025	ng/g	0.4 ng/g	101	50.0	150	----
PCB 093+095	n/a	E689	0.025	ng/g	0.8 ng/g	81.6	50.0	150	----
PCB 097	41464-51-1	E689	0.025	ng/g	0.4 ng/g	122	50.0	150	----
PCB 099	38380-01-7	E689	0.025	ng/g	0.4 ng/g	134	50.0	150	----
PCB 105+127	n/a	E689	0.025	ng/g	0.8 ng/g	71.0	50.0	150	----
PCB 106+118	n/a	E689	0.025	ng/g	0.8 ng/g	86.6	50.0	150	----
PCB 107+109	n/a	E689	0.025	ng/g	0.8 ng/g	106	50.0	150	----
PCB 110	38380-03-9	E689	0.025	ng/g	0.4 ng/g	120	50.0	150	----
PCB 114	74472-37-0	E689	0.025	ng/g	0.4 ng/g	99.1	50.0	150	----
PCB 123	65510-44-3	E689	0.025	ng/g	0.4 ng/g	107	50.0	150	----
PCB 126	57465-28-8	E689	0.025	ng/g	0.4 ng/g	121	50.0	150	----
PCB 128+167	n/a	E689	0.025	ng/g	0.8 ng/g	89.3	50.0	150	----
PCB 129	55215-18-4	E689	0.025	ng/g	0.4 ng/g	71.3	50.0	150	----
PCB 131+142+146+165	n/a	E689	0.025	ng/g	1.6 ng/g	99.8	50.0	150	----
PCB 132+168	n/a	E689	0.025	ng/g	0.8 ng/g	116	50.0	150	----
PCB 135+144	n/a	E689	0.025	ng/g	0.8 ng/g	104	50.0	150	----
PCB 136	38411-22-2	E689	0.025	ng/g	0.4 ng/g	109	50.0	150	----
PCB 137	35694-06-5	E689	0.025	ng/g	0.4 ng/g	87.7	50.0	150	----
PCB 138+163+164	n/a	E689	0.025	ng/g	1.2 ng/g	109	50.0	150	----
PCB 139+149	n/a	E689	0.025	ng/g	0.8 ng/g	101	50.0	150	----
PCB 141	52712-04-6	E689	0.025	ng/g	0.4 ng/g	112	50.0	150	----
PCB 151	52663-63-5	E689	0.025	ng/g	0.4 ng/g	97.4	50.0	150	----
PCB 153	35065-27-1	E689	0.025	ng/g	0.4 ng/g	108	50.0	150	----
PCB 156	38380-08-4	E689	0.025	ng/g	0.4 ng/g	84.0	50.0	150	----
PCB 157	69782-90-7	E689	0.025	ng/g	0.4 ng/g	109	50.0	150	----
PCB 158+160	n/a	E689	0.025	ng/g	0.8 ng/g	92.9	50.0	150	----
PCB 159	39635-35-3	E689	0.025	ng/g	0.4 ng/g	88.6	50.0	150	----
PCB 169	32774-16-6	E689	0.025	ng/g	0.4 ng/g	92.9	50.0	150	----
PCB 170+190	n/a	E689	0.025	ng/g	0.8 ng/g	72.3	50.0	150	----
PCB 171	52663-71-5	E689	0.025	ng/g	0.4 ng/g	76.1	50.0	150	----
PCB 172+192	n/a	E689	0.025	ng/g	0.8 ng/g	67.2	50.0	150	----
PCB 174+181	n/a	E689	0.025	ng/g	0.8 ng/g	79.0	50.0	150	----
PCB 177	52663-70-4	E689	0.025	ng/g	0.4 ng/g	79.8	50.0	150	----
PCB 180	35065-29-3	E689	0.025	ng/g	0.4 ng/g	62.8	50.0	150	----
PCB 182+187	n/a	E689	0.025	ng/g	0.8 ng/g	104	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
PCB 183	52663-69-1	E689	0.025	ng/g	0.4 ng/g	98.1	50.0	150	----
PCB 185	52712-05-7	E689	0.025	ng/g	0.4 ng/g	82.9	50.0	150	----
PCB 189	39635-31-9	E689	0.025	ng/g	0.4 ng/g	101	50.0	150	----
PCB 191	74472-50-7	E689	0.025	ng/g	0.4 ng/g	86.3	50.0	150	----
PCB 193	69782-91-8	E689	0.025	ng/g	0.4 ng/g	77.0	50.0	150	----
PCB 194	35694-08-7	E689	0.025	ng/g	0.6 ng/g	68.2	50.0	150	----
PCB 195	52663-78-2	E689	0.025	ng/g	0.6 ng/g	67.6	50.0	150	----
PCB 196+203	n/a	E689	0.025	ng/g	1.2 ng/g	76.4	50.0	150	----
PCB 199	52663-75-9	E689	0.025	ng/g	0.6 ng/g	98.8	50.0	150	----
PCB 201+204	n/a	E689	0.025	ng/g	1.2 ng/g	87.7	50.0	150	----
PCB 202	2136-99-4	E689	0.025	ng/g	0.6 ng/g	90.4	50.0	150	----
PCB 205	74472-53-0	E689	0.025	ng/g	0.6 ng/g	95.0	50.0	150	----
PCB 206	40186-72-9	E689	0.025	ng/g	0.6 ng/g	89.2	50.0	150	----
PCB 207	52663-79-3	E689	0.025	ng/g	0.6 ng/g	80.2	50.0	150	----
PCB 208	52663-77-1	E689	0.025	ng/g	0.6 ng/g	82.7	50.0	150	----
PCB 209	2051-24-3	E689	0.025	ng/g	0.6 ng/g	85.1	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754776)									
PCB 001	2051-60-7	E689	0.025	ng/g	0.2 ng/g	101	50.0	150	----
PCB 003	2051-62-9	E689	0.025	ng/g	0.2 ng/g	90.5	50.0	150	----
PCB 004+010	n/a	E689	0.025	ng/g	0.4 ng/g	88.6	50.0	150	----
PCB 005+008	n/a	E689	0.025	ng/g	0.4 ng/g	104	50.0	150	----
PCB 006	25569-80-6	E689	0.025	ng/g	0.2 ng/g	103	50.0	150	----
PCB 007+009	n/a	E689	0.025	ng/g	0.4 ng/g	103	50.0	150	----
PCB 011	2050-67-1	E689	0.025	ng/g	0.2 ng/g	108	50.0	150	----
PCB 012+013	n/a	E689	0.025	ng/g	0.4 ng/g	106	50.0	150	----
PCB 015	2050-68-2	E689	0.025	ng/g	0.2 ng/g	94.7	50.0	150	----
PCB 016+032	n/a	E689	0.025	ng/g	0.4 ng/g	103	50.0	150	----
PCB 017	37680-66-3	E689	0.025	ng/g	0.2 ng/g	93.7	50.0	150	----
PCB 018	37680-65-2	E689	0.025	ng/g	0.2 ng/g	96.6	50.0	150	----
PCB 019	38444-73-4	E689	0.025	ng/g	0.2 ng/g	95.7	50.0	150	----
PCB 020+021+033	n/a	E689	0.025	ng/g	0.6 ng/g	96.8	50.0	150	----
PCB 022	38444-85-8	E689	0.025	ng/g	0.2 ng/g	104	50.0	150	----
PCB 024+027	n/a	E689	0.025	ng/g	0.4 ng/g	99.7	50.0	150	----
PCB 025	55712-37-3	E689	0.025	ng/g	0.2 ng/g	97.6	50.0	150	----
PCB 026	38444-81-4	E689	0.025	ng/g	0.2 ng/g	103	50.0	150	----
PCB 028+031	n/a	E689	0.025	ng/g	0.4 ng/g	98.9	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
PCB 037	38444-90-5	E689	0.025	ng/g	0.2 ng/g	93.6	50.0	150	----
PCB 040	38444-93-8	E689	0.025	ng/g	0.4 ng/g	99.2	50.0	150	----
PCB 041+064+068+071	n/a	E689	0.025	ng/g	1.6 ng/g	99.5	50.0	150	----
PCB 042+059	n/a	E689	0.025	ng/g	0.8 ng/g	95.5	50.0	150	----
PCB 043+049	n/a	E689	0.025	ng/g	0.8 ng/g	88.9	50.0	150	----
PCB 044	41464-39-5	E689	0.025	ng/g	0.4 ng/g	98.6	50.0	150	----
PCB 045	70362-45-7	E689	0.025	ng/g	0.4 ng/g	99.4	50.0	150	----
PCB 046	41464-47-5	E689	0.025	ng/g	0.4 ng/g	100	50.0	150	----
PCB 047+048+075	n/a	E689	0.025	ng/g	1.2 ng/g	102	50.0	150	----
PCB 052+073	n/a	E689	0.025	ng/g	0.8 ng/g	117	50.0	150	----
PCB 053	41464-41-9	E689	0.025	ng/g	0.4 ng/g	102	50.0	150	----
PCB 056+060	n/a	E689	0.025	ng/g	0.8 ng/g	107	50.0	150	----
PCB 057	70424-67-8	E689	0.025	ng/g	0.4 ng/g	108	50.0	150	----
PCB 061+074	n/a	E689	0.025	ng/g	0.8 ng/g	95.6	50.0	150	----
PCB 063	74472-34-7	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 066+080	n/a	E689	0.025	ng/g	0.8 ng/g	103	50.0	150	----
PCB 070+076	n/a	E689	0.025	ng/g	0.8 ng/g	116	50.0	150	----
PCB 077	32598-13-3	E689	0.025	ng/g	0.4 ng/g	99.6	50.0	150	----
PCB 081	70362-50-4	E689	0.025	ng/g	0.4 ng/g	91.5	50.0	150	----
PCB 082	52663-62-4	E689	0.025	ng/g	0.4 ng/g	78.2	50.0	150	----
PCB 083+108	n/a	E689	0.025	ng/g	0.8 ng/g	103	50.0	150	----
PCB 084+089+090+101	n/a	E689	0.025	ng/g	1.6 ng/g	78.4	50.0	150	----
PCB 085+120	n/a	E689	0.025	ng/g	0.8 ng/g	102	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	2.8 ng/g	112	50.0	150	----
PCB 091	68194-05-8	E689	0.025	ng/g	0.4 ng/g	96.8	50.0	150	----
PCB 092	52663-61-3	E689	0.025	ng/g	0.4 ng/g	97.9	50.0	150	----
PCB 093+095	n/a	E689	0.025	ng/g	0.8 ng/g	83.3	50.0	150	----
PCB 097	41464-51-1	E689	0.025	ng/g	0.4 ng/g	91.5	50.0	150	----
PCB 099	38380-01-7	E689	0.025	ng/g	0.4 ng/g	95.7	50.0	150	----
PCB 105+127	n/a	E689	0.025	ng/g	0.8 ng/g	74.6	50.0	150	----
PCB 106+118	n/a	E689	0.025	ng/g	0.8 ng/g	77.8	50.0	150	----
PCB 107+109	n/a	E689	0.025	ng/g	0.8 ng/g	105	50.0	150	----
PCB 110	38380-03-9	E689	0.025	ng/g	0.4 ng/g	99.8	50.0	150	----
PCB 114	74472-37-0	E689	0.025	ng/g	0.4 ng/g	99.3	50.0	150	----
PCB 123	65510-44-3	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 126	57465-28-8	E689	0.025	ng/g	0.4 ng/g	104	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
PCB 128+167	n/a	E689	0.025	ng/g	0.8 ng/g	109	50.0	150	----
PCB 129	55215-18-4	E689	0.025	ng/g	0.4 ng/g	97.0	50.0	150	----
PCB 131+142+146+165	n/a	E689	0.025	ng/g	1.6 ng/g	94.4	50.0	150	----
PCB 132+168	n/a	E689	0.025	ng/g	0.8 ng/g	99.1	50.0	150	----
PCB 135+144	n/a	E689	0.025	ng/g	0.8 ng/g	93.2	50.0	150	----
PCB 136	38411-22-2	E689	0.025	ng/g	0.4 ng/g	93.2	50.0	150	----
PCB 137	35694-06-5	E689	0.025	ng/g	0.4 ng/g	92.5	50.0	150	----
PCB 138+163+164	n/a	E689	0.025	ng/g	1.2 ng/g	106	50.0	150	----
PCB 139+149	n/a	E689	0.025	ng/g	0.8 ng/g	82.5	50.0	150	----
PCB 141	52712-04-6	E689	0.025	ng/g	0.4 ng/g	97.8	50.0	150	----
PCB 151	52663-63-5	E689	0.025	ng/g	0.4 ng/g	80.8	50.0	150	----
PCB 153	35065-27-1	E689	0.025	ng/g	0.4 ng/g	88.9	50.0	150	----
PCB 156	38380-08-4	E689	0.025	ng/g	0.4 ng/g	98.3	50.0	150	----
PCB 157	69782-90-7	E689	0.025	ng/g	0.4 ng/g	100	50.0	150	----
PCB 158+160	n/a	E689	0.025	ng/g	0.8 ng/g	97.4	50.0	150	----
PCB 159	39635-35-3	E689	0.025	ng/g	0.4 ng/g	91.6	50.0	150	----
PCB 169	32774-16-6	E689	0.025	ng/g	0.4 ng/g	107	50.0	150	----
PCB 170+190	n/a	E689	0.025	ng/g	0.8 ng/g	112	50.0	150	----
PCB 171	52663-71-5	E689	0.025	ng/g	0.4 ng/g	92.5	50.0	150	----
PCB 172+192	n/a	E689	0.025	ng/g	0.8 ng/g	96.5	50.0	150	----
PCB 174+181	n/a	E689	0.025	ng/g	0.8 ng/g	102	50.0	150	----
PCB 177	52663-70-4	E689	0.025	ng/g	0.4 ng/g	90.3	50.0	150	----
PCB 180	35065-29-3	E689	0.025	ng/g	0.4 ng/g	84.3	50.0	150	----
PCB 182+187	n/a	E689	0.025	ng/g	0.8 ng/g	93.0	50.0	150	----
PCB 183	52663-69-1	E689	0.025	ng/g	0.4 ng/g	92.0	50.0	150	----
PCB 185	52712-05-7	E689	0.025	ng/g	0.4 ng/g	93.7	50.0	150	----
PCB 189	39635-31-9	E689	0.025	ng/g	0.4 ng/g	106	50.0	150	----
PCB 191	74472-50-7	E689	0.025	ng/g	0.4 ng/g	95.4	50.0	150	----
PCB 193	69782-91-8	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 194	35694-08-7	E689	0.025	ng/g	0.6 ng/g	94.6	50.0	150	----
PCB 195	52663-78-2	E689	0.025	ng/g	0.6 ng/g	86.7	50.0	150	----
PCB 196+203	n/a	E689	0.025	ng/g	1.2 ng/g	98.8	50.0	150	----
PCB 199	52663-75-9	E689	0.025	ng/g	0.6 ng/g	96.7	50.0	150	----
PCB 201+204	n/a	E689	0.025	ng/g	1.2 ng/g	88.9	50.0	150	----
PCB 202	2136-99-4	E689	0.025	ng/g	0.6 ng/g	91.3	50.0	150	----
PCB 205	74472-53-0	E689	0.025	ng/g	0.6 ng/g	88.2	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
PCB 206	40186-72-9	E689	0.025	ng/g	0.6 ng/g	80.7	50.0	150	----
PCB 207	52663-79-3	E689	0.025	ng/g	0.6 ng/g	78.3	50.0	150	----
PCB 208	52663-77-1	E689	0.025	ng/g	0.6 ng/g	74.4	50.0	150	----
PCB 209	2051-24-3	E689	0.025	ng/g	0.6 ng/g	72.0	50.0	150	----

Qualifiers

Qualifier	Description
LCS-H	*Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.*

Reference Material (RM) Report

A Reference Material (RM) is a homogenous material with known and well-established analyte concentrations. RMs are processed in an identical manner to test samples, and are used to monitor and control the accuracy and precision of a test method for a typical sample matrix. RM results are expressed as percent recovery of the target analyte concentration. RM targets may be certified target concentrations provided by the RM supplier, or may be ALS long-term mean values (for empirical test methods).

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608)									
QC-1754608-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	125	50.0	150	----
QC-1754608-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	109	50.0	150	----
QC-1754608-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	111	50.0	150	----
QC-1754608-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	107	50.0	150	----
QC-1754608-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	105	50.0	150	----
QC-1754608-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	150	50.0	150	----
QC-1754608-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754608-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	117	50.0	150	----
QC-1754608-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754608-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	85.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	87.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	112	50.0	150	----
QC-1754608-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	101	50.0	150	----
QC-1754608-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	110	50.0	150	----
QC-1754608-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	93.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	106	50.0	150	----
QC-1754608-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	109	50.0	150	----
QC-1754608-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754608-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	91.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	92.1	50.0	150	----
QC-1754608-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	96.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	90.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	80.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	94.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	91.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	97.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	93.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754608-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754608-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	112	50.0	150	----
QC-1754608-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	93.2	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
QC-1754608-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	91.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	98.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754608-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	90.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	76.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	100	50.0	150	----
QC-1754608-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	76.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	98.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	90.1	50.0	150	----
QC-1754608-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	76.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	88.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	93.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	73.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	75.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	104	50.0	150	----
QC-1754608-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	97.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	93.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	104	50.0	150	----
QC-1754608-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	90.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	100	50.0	150	----
QC-1754608-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	94.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	85.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	83.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	97.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	103	50.0	150	----
QC-1754608-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	76.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	93.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	74.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	84.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	92.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	98.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	92.4	50.0	150	----

Sub-Matrix:

Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Reference Material (RM) Report: RM Target Concentration	Recovery (%): RM	Recovery Limits (%): Low	Recovery Limits (%): High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
QC-1754608-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754608-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	115	50.0	150	----
QC-1754608-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	89.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	95.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	98.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	87.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	82.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	88.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	88.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	92.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754608-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	98.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754608-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	98.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	91.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	98.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	95.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	85.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	91.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	86.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	80.1	50.0	150	----
QC-1754608-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	78.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	75.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	70.8	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754612)									
QC-1754612-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	136	50.0	150	----
QC-1754612-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	122	50.0	150	----
QC-1754612-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	128	50.0	150	----
QC-1754612-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	129	50.0	150	----
QC-1754612-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	143	50.0	150	----
QC-1754612-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	126	50.0	150	----
QC-1754612-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	99.0	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
QC-1754612-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	97.6	50.0	150	----
QC-1754612-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	123	50.0	150	----
QC-1754612-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	115	50.0	150	----
QC-1754612-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	109	50.0	150	----
QC-1754612-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	137	50.0	150	----
QC-1754612-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	127	50.0	150	----
QC-1754612-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	97.9	50.0	150	----
QC-1754612-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	127	50.0	150	----
QC-1754612-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	116	50.0	150	----
QC-1754612-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754612-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	125	50.0	150	----
QC-1754612-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	131	50.0	150	----
QC-1754612-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	150	50.0	150	----
QC-1754612-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	126	50.0	150	----
QC-1754612-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	119	50.0	150	----
QC-1754612-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	140	50.0	150	----
QC-1754612-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	119	50.0	150	----
QC-1754612-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	127	50.0	150	----
QC-1754612-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	117	50.0	150	----
QC-1754612-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	100	50.0	150	----
QC-1754612-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	137	50.0	150	----
QC-1754612-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754612-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754612-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	111	50.0	150	----

Sub-Matrix:

Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Reference Material (RM) Report: RM Target Concentration	Recovery (%): RM	Recovery Limits (%): Low	Recovery Limits (%): High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
QC-1754612-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	93.1	50.0	150	----
QC-1754612-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754612-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	126	50.0	150	----
QC-1754612-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	123	50.0	150	----
QC-1754612-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754612-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754612-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	121	50.0	150	----
QC-1754612-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	135	50.0	150	----
QC-1754612-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	129	50.0	150	----
QC-1754612-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	117	50.0	150	----
QC-1754612-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	125	50.0	150	----
QC-1754612-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	113	50.0	150	----
QC-1754612-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	119	50.0	150	----
QC-1754612-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754612-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	131	50.0	150	----
QC-1754612-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	135	50.0	150	----
QC-1754612-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	124	50.0	150	----
QC-1754612-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	139	50.0	150	----
QC-1754612-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	131	50.0	150	----
QC-1754612-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	125	50.0	150	----
QC-1754612-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	115	50.0	150	----
QC-1754612-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	99.3	50.0	150	----
QC-1754612-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	124	50.0	150	----
QC-1754612-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754612-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	122	50.0	150	----
QC-1754612-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	124	50.0	150	----
QC-1754612-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	116	50.0	150	----
QC-1754612-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	121	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
QC-1754612-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	115	50.0	150	----
QC-1754612-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	123	50.0	150	----
QC-1754612-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	121	50.0	150	----
QC-1754612-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	93.9	50.0	150	----
QC-1754612-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	97.1	50.0	150	----
QC-1754612-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	85.6	50.0	150	----
QC-1754612-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	84.6	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754619)									
QC-1754619-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	96.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	86.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	86.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	96.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	92.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	90.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754619-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	97.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	94.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	83.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	81.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	92.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	91.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	97.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	90.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	90.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	97.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	95.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	81.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	88.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	97.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	95.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	81.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	92.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	91.4	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
QC-1754619-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	97.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	94.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	99.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	107	50.0	150	----
QC-1754619-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	112	50.0	150	----
QC-1754619-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	90.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	92.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	94.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754619-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	92.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	73.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	101	50.0	150	----
QC-1754619-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	74.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	97.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	92.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	88.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	78.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	83.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	84.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	66.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	76.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	104	50.0	150	----
QC-1754619-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	94.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	81.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	88.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	100	50.0	150	----
QC-1754619-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	110	50.0	150	----
QC-1754619-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	98.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	93.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	92.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	86.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	85.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	90.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	95.4	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
QC-1754619-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	77.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	91.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	74.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	86.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	90.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754619-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	100.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	97.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754619-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	111	50.0	150	----
QC-1754619-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	91.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	96.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	99.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	90.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	90.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	91.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	89.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	92.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	105	50.0	150	----
QC-1754619-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	97.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754619-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	94.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	89.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	98.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	92.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	86.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	90.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	87.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	80.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	78.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	72.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	71.7	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754767)									
QC-1754767-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	125	50.0	150	----
QC-1754767-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	108	50.0	150	----
QC-1754767-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754767-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	116	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
QC-1754767-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	111	50.0	150	----
QC-1754767-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754767-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	122	50.0	150	----
QC-1754767-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	126	50.0	150	----
QC-1754767-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	110	50.0	150	----
QC-1754767-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754767-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	96.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	99.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754767-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	113	50.0	150	----
QC-1754767-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	105	50.0	150	----
QC-1754767-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	112	50.0	150	----
QC-1754767-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	96.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	90.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	98.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754767-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	120	50.0	150	----
QC-1754767-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	115	50.0	150	----
QC-1754767-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	114	50.0	150	----
QC-1754767-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	113	50.0	150	----
QC-1754767-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	99.0	50.0	150	----
QC-1754767-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	116	50.0	150	----
QC-1754767-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	111	50.0	150	----
QC-1754767-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	92.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754767-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	91.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	79.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	81.0	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
QC-1754767-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	124	50.0	150	----
QC-1754767-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	100	50.0	150	----
QC-1754767-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	97.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	86.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	90.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	98.7	50.0	150	----
QC-1754767-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	70.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	70.0	50.0	150	----
QC-1754767-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	103	50.0	150	----
QC-1754767-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754767-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	92.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	94.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	99.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	99.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	93.7	50.0	150	----
QC-1754767-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	92.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	91.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	82.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	97.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	80.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	87.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	95.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	89.6	50.0	150	----
QC-1754767-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	105	50.0	150	----
QC-1754767-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	88.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	92.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	96.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	85.7	50.0	150	----
QC-1754767-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	78.9	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
QC-1754767-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	91.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	89.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	93.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	92.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754767-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	91.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	83.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	93.9	50.0	150	----
QC-1754767-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	92.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	86.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	89.9	50.0	150	----
QC-1754767-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	85.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	77.9	50.0	150	----
QC-1754767-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	76.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	72.6	50.0	150	----
QC-1754767-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	69.4	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754769)									
QC-1754769-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	144	50.0	150	----
QC-1754769-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	130	50.0	150	----
QC-1754769-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	143	50.0	150	----
QC-1754769-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	129	50.0	150	----
QC-1754769-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	131	50.0	150	----
QC-1754769-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	121	50.0	150	----
QC-1754769-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	# 177	50.0	150	LCS-H
QC-1754769-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	141	50.0	150	----
QC-1754769-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	102	50.0	150	----
QC-1754769-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	95.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	90.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	123	50.0	150	----
QC-1754769-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	115	50.0	150	----
QC-1754769-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	121	50.0	150	----
QC-1754769-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	94.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754769-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	131	50.0	150	----
QC-1754769-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	129	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
QC-1754769-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	85.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	96.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	94.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	97.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	93.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	91.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	90.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	115	50.0	150	----
QC-1754769-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	121	50.0	150	----
QC-1754769-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	145	50.0	150	----
QC-1754769-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	122	50.0	150	----
QC-1754769-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754769-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	105	50.0	150	----
QC-1754769-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	144	50.0	150	----
QC-1754769-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	119	50.0	150	----
QC-1754769-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	97.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754769-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	97.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754769-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	83.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	129	50.0	150	----
QC-1754769-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	113	50.0	150	----
QC-1754769-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	92.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	115	50.0	150	----
QC-1754769-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	72.4	50.0	150	----
QC-1754769-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	90.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	100	50.0	150	----
QC-1754769-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	90.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	84.1	50.0	150	----
QC-1754769-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	113	50.0	150	----
QC-1754769-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754769-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754769-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	112	50.0	150	----
QC-1754769-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	117	50.0	150	----
QC-1754769-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	122	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
QC-1754769-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754769-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	108	50.0	150	----
QC-1754769-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	103	50.0	150	----
QC-1754769-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	95.4	50.0	150	----
QC-1754769-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	111	50.0	150	----
QC-1754769-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	93.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	106	50.0	150	----
QC-1754769-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	78.4	50.0	150	----
QC-1754769-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	98.7	50.0	150	----
QC-1754769-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	91.9	50.0	150	----
QC-1754769-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	113	50.0	150	----
QC-1754769-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754769-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	90.9	50.0	150	----
QC-1754769-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	112	50.0	150	----
QC-1754769-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	125	50.0	150	----
QC-1754769-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	97.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754769-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	93.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	95.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	95.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	109	50.0	150	----
QC-1754769-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	91.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	119	50.0	150	----
QC-1754769-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	116	50.0	150	----
QC-1754769-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	95.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	109	50.0	150	----
QC-1754769-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	96.9	50.0	150	----
QC-1754769-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	97.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	89.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	85.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	94.5	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
QC-1754769-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	77.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	74.5	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754775)									
QC-1754775-002	LCS-LL	PCB 001	2051-60-7	E689	0.05 ng/g	112	50.0	150	----
QC-1754775-002	LCS-LL	PCB 003	2051-62-9	E689	0.05 ng/g	85.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 004+010	n/a	E689	0.1 ng/g	86.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 005+008	n/a	E689	0.1 ng/g	83.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 006	25569-80-6	E689	0.05 ng/g	87.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 007+009	n/a	E689	0.1 ng/g	85.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 011	2050-67-1	E689	0.05 ng/g	126	50.0	150	----
QC-1754775-002	LCS-LL	PCB 012+013	n/a	E689	0.1 ng/g	105	50.0	150	----
QC-1754775-002	LCS-LL	PCB 015	2050-68-2	E689	0.05 ng/g	92.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 016+032	n/a	E689	0.1 ng/g	84.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 017	37680-66-3	E689	0.05 ng/g	105	50.0	150	----
QC-1754775-002	LCS-LL	PCB 018	37680-65-2	E689	0.05 ng/g	94.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 019	38444-73-4	E689	0.05 ng/g	89.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 020+021+033	n/a	E689	0.15 ng/g	112	50.0	150	----
QC-1754775-002	LCS-LL	PCB 022	38444-85-8	E689	0.05 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 024+027	n/a	E689	0.1 ng/g	87.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 025	55712-37-3	E689	0.05 ng/g	109	50.0	150	----
QC-1754775-002	LCS-LL	PCB 026	38444-81-4	E689	0.05 ng/g	93.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 028+031	n/a	E689	0.1 ng/g	113	50.0	150	----
QC-1754775-002	LCS-LL	PCB 037	38444-90-5	E689	0.05 ng/g	97.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 040	38444-93-8	E689	0.1 ng/g	98.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 041+064+068+071	n/a	E689	0.4 ng/g	96.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 042+059	n/a	E689	0.2 ng/g	101	50.0	150	----
QC-1754775-002	LCS-LL	PCB 043+049	n/a	E689	0.2 ng/g	108	50.0	150	----
QC-1754775-002	LCS-LL	PCB 044	41464-39-5	E689	0.1 ng/g	97.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 045	70362-45-7	E689	0.1 ng/g	74.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 046	41464-47-5	E689	0.1 ng/g	89.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 047+048+075	n/a	E689	0.3 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 052+073	n/a	E689	0.2 ng/g	117	50.0	150	----
QC-1754775-002	LCS-LL	PCB 053	41464-41-9	E689	0.1 ng/g	99.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 056+060	n/a	E689	0.2 ng/g	99.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 057	70424-67-8	E689	0.1 ng/g	92.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 061+074	n/a	E689	0.2 ng/g	124	50.0	150	----
QC-1754775-002	LCS-LL	PCB 063	74472-34-7	E689	0.1 ng/g	97.6	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
QC-1754775-002	LCS-LL	PCB 066+080	n/a	E689	0.2 ng/g	112	50.0	150	----
QC-1754775-002	LCS-LL	PCB 070+076	n/a	E689	0.2 ng/g	104	50.0	150	----
QC-1754775-002	LCS-LL	PCB 077	32598-13-3	E689	0.1 ng/g	101	50.0	150	----
QC-1754775-002	LCS-LL	PCB 081	70362-50-4	E689	0.1 ng/g	78.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 082	52663-62-4	E689	0.1 ng/g	74.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 083+108	n/a	E689	0.2 ng/g	102	50.0	150	----
QC-1754775-002	LCS-LL	PCB 084+089+090+101	n/a	E689	0.4 ng/g	91.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 085+120	n/a	E689	0.2 ng/g	95.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689	0.7 ng/g	126	50.0	150	----
QC-1754775-002	LCS-LL	PCB 091	68194-05-8	E689	0.1 ng/g	110	50.0	150	----
QC-1754775-002	LCS-LL	PCB 092	52663-61-3	E689	0.1 ng/g	93.3	50.0	150	----
QC-1754775-002	LCS-LL	PCB 093+095	n/a	E689	0.2 ng/g	82.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 097	41464-51-1	E689	0.1 ng/g	96.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 099	38380-01-7	E689	0.1 ng/g	124	50.0	150	----
QC-1754775-002	LCS-LL	PCB 105+127	n/a	E689	0.2 ng/g	62.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 106+118	n/a	E689	0.2 ng/g	80.3	50.0	150	----
QC-1754775-002	LCS-LL	PCB 107+109	n/a	E689	0.2 ng/g	93.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 110	38380-03-9	E689	0.1 ng/g	110	50.0	150	----
QC-1754775-002	LCS-LL	PCB 114	74472-37-0	E689	0.1 ng/g	83.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 123	65510-44-3	E689	0.1 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 126	57465-28-8	E689	0.1 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 128+167	n/a	E689	0.2 ng/g	109	50.0	150	----
QC-1754775-002	LCS-LL	PCB 129	55215-18-4	E689	0.1 ng/g	71.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 131+142+146+165	n/a	E689	0.4 ng/g	95.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 132+168	n/a	E689	0.2 ng/g	119	50.0	150	----
QC-1754775-002	LCS-LL	PCB 135+144	n/a	E689	0.2 ng/g	102	50.0	150	----
QC-1754775-002	LCS-LL	PCB 136	38411-22-2	E689	0.1 ng/g	105	50.0	150	----
QC-1754775-002	LCS-LL	PCB 137	35694-06-5	E689	0.1 ng/g	82.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 138+163+164	n/a	E689	0.3 ng/g	101	50.0	150	----
QC-1754775-002	LCS-LL	PCB 139+149	n/a	E689	0.2 ng/g	99.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 141	52712-04-6	E689	0.1 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 151	52663-63-5	E689	0.1 ng/g	92.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 153	35065-27-1	E689	0.1 ng/g	102	50.0	150	----
QC-1754775-002	LCS-LL	PCB 156	38380-08-4	E689	0.1 ng/g	78.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 157	69782-90-7	E689	0.1 ng/g	84.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 158+160	n/a	E689	0.2 ng/g	94.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 159	39635-35-3	E689	0.1 ng/g	79.8	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
QC-1754775-002	LCS-LL	PCB 169	32774-16-6	E689	0.1 ng/g	90.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 170+190	n/a	E689	0.2 ng/g	63.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 171	52663-71-5	E689	0.1 ng/g	70.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 172+192	n/a	E689	0.2 ng/g	61.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 174+181	n/a	E689	0.2 ng/g	75.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 177	52663-70-4	E689	0.1 ng/g	78.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 180	35065-29-3	E689	0.1 ng/g	58.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 182+187	n/a	E689	0.2 ng/g	97.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 183	52663-69-1	E689	0.1 ng/g	87.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 185	52712-05-7	E689	0.1 ng/g	76.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 189	39635-31-9	E689	0.1 ng/g	93.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 191	74472-50-7	E689	0.1 ng/g	82.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 193	69782-91-8	E689	0.1 ng/g	72.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 194	35694-08-7	E689	0.15 ng/g	58.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 195	52663-78-2	E689	0.15 ng/g	68.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 196+203	n/a	E689	0.3 ng/g	76.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 199	52663-75-9	E689	0.15 ng/g	98.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 201+204	n/a	E689	0.3 ng/g	86.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 202	2136-99-4	E689	0.15 ng/g	90.3	50.0	150	----
QC-1754775-002	LCS-LL	PCB 205	74472-53-0	E689	0.15 ng/g	92.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 206	40186-72-9	E689	0.15 ng/g	86.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 207	52663-79-3	E689	0.15 ng/g	82.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 208	52663-77-1	E689	0.15 ng/g	82.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 209	2051-24-3	E689	0.15 ng/g	87.0	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754776)									
QC-1754776-002	LCS-LL	PCB 001	2051-60-7	E689	0.05 ng/g	124	50.0	150	----
QC-1754776-002	LCS-LL	PCB 003	2051-62-9	E689	0.05 ng/g	109	50.0	150	----
QC-1754776-002	LCS-LL	PCB 004+010	n/a	E689	0.1 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 005+008	n/a	E689	0.1 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 006	25569-80-6	E689	0.05 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 007+009	n/a	E689	0.1 ng/g	112	50.0	150	----
QC-1754776-002	LCS-LL	PCB 011	2050-67-1	E689	0.05 ng/g	132	50.0	150	----
QC-1754776-002	LCS-LL	PCB 012+013	n/a	E689	0.1 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 015	2050-68-2	E689	0.05 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 016+032	n/a	E689	0.1 ng/g	110	50.0	150	----
QC-1754776-002	LCS-LL	PCB 017	37680-66-3	E689	0.05 ng/g	100	50.0	150	----
QC-1754776-002	LCS-LL	PCB 018	37680-65-2	E689	0.05 ng/g	103	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
QC-1754776-002	LCS-LL	PCB 019	38444-73-4	E689	0.05 ng/g	110	50.0	150	----
QC-1754776-002	LCS-LL	PCB 020+021+033	n/a	E689	0.15 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 022	38444-85-8	E689	0.05 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 024+027	n/a	E689	0.1 ng/g	106	50.0	150	----
QC-1754776-002	LCS-LL	PCB 025	55712-37-3	E689	0.05 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 026	38444-81-4	E689	0.05 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 028+031	n/a	E689	0.1 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 037	38444-90-5	E689	0.05 ng/g	91.2	50.0	150	----
QC-1754776-002	LCS-LL	PCB 040	38444-93-8	E689	0.1 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 041+064+068+071	n/a	E689	0.4 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 042+059	n/a	E689	0.2 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 043+049	n/a	E689	0.2 ng/g	86.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 044	41464-39-5	E689	0.1 ng/g	94.1	50.0	150	----
QC-1754776-002	LCS-LL	PCB 045	70362-45-7	E689	0.1 ng/g	97.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 046	41464-47-5	E689	0.1 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 047+048+075	n/a	E689	0.3 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 052+073	n/a	E689	0.2 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 053	41464-41-9	E689	0.1 ng/g	112	50.0	150	----
QC-1754776-002	LCS-LL	PCB 056+060	n/a	E689	0.2 ng/g	112	50.0	150	----
QC-1754776-002	LCS-LL	PCB 057	70424-67-8	E689	0.1 ng/g	124	50.0	150	----
QC-1754776-002	LCS-LL	PCB 061+074	n/a	E689	0.2 ng/g	96.8	50.0	150	----
QC-1754776-002	LCS-LL	PCB 063	74472-34-7	E689	0.1 ng/g	110	50.0	150	----
QC-1754776-002	LCS-LL	PCB 066+080	n/a	E689	0.2 ng/g	98.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 070+076	n/a	E689	0.2 ng/g	106	50.0	150	----
QC-1754776-002	LCS-LL	PCB 077	32598-13-3	E689	0.1 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 081	70362-50-4	E689	0.1 ng/g	93.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 082	52663-62-4	E689	0.1 ng/g	80.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 083+108	n/a	E689	0.2 ng/g	105	50.0	150	----
QC-1754776-002	LCS-LL	PCB 084+089+090+101	n/a	E689	0.4 ng/g	79.5	50.0	150	----
QC-1754776-002	LCS-LL	PCB 085+120	n/a	E689	0.2 ng/g	105	50.0	150	----
QC-1754776-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689	0.7 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 091	68194-05-8	E689	0.1 ng/g	97.8	50.0	150	----
QC-1754776-002	LCS-LL	PCB 092	52663-61-3	E689	0.1 ng/g	94.3	50.0	150	----
QC-1754776-002	LCS-LL	PCB 093+095	n/a	E689	0.2 ng/g	83.3	50.0	150	----
QC-1754776-002	LCS-LL	PCB 097	41464-51-1	E689	0.1 ng/g	93.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 099	38380-01-7	E689	0.1 ng/g	98.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 105+127	n/a	E689	0.2 ng/g	75.1	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
QC-1754776-002	LCS-LL	PCB 106+118	n/a	E689	0.2 ng/g	78.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 107+109	n/a	E689	0.2 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 110	38380-03-9	E689	0.1 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 114	74472-37-0	E689	0.1 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 123	65510-44-3	E689	0.1 ng/g	111	50.0	150	----
QC-1754776-002	LCS-LL	PCB 126	57465-28-8	E689	0.1 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 128+167	n/a	E689	0.2 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 129	55215-18-4	E689	0.1 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 131+142+146+165	n/a	E689	0.4 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 132+168	n/a	E689	0.2 ng/g	106	50.0	150	----
QC-1754776-002	LCS-LL	PCB 135+144	n/a	E689	0.2 ng/g	100	50.0	150	----
QC-1754776-002	LCS-LL	PCB 136	38411-22-2	E689	0.1 ng/g	96.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 137	35694-06-5	E689	0.1 ng/g	97.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 138+163+164	n/a	E689	0.3 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 139+149	n/a	E689	0.2 ng/g	89.6	50.0	150	----
QC-1754776-002	LCS-LL	PCB 141	52712-04-6	E689	0.1 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 151	52663-63-5	E689	0.1 ng/g	87.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 153	35065-27-1	E689	0.1 ng/g	94.1	50.0	150	----
QC-1754776-002	LCS-LL	PCB 156	38380-08-4	E689	0.1 ng/g	94.4	50.0	150	----
QC-1754776-002	LCS-LL	PCB 157	69782-90-7	E689	0.1 ng/g	118	50.0	150	----
QC-1754776-002	LCS-LL	PCB 158+160	n/a	E689	0.2 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 159	39635-35-3	E689	0.1 ng/g	94.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 169	32774-16-6	E689	0.1 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 170+190	n/a	E689	0.2 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 171	52663-71-5	E689	0.1 ng/g	98.1	50.0	150	----
QC-1754776-002	LCS-LL	PCB 172+192	n/a	E689	0.2 ng/g	99.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 174+181	n/a	E689	0.2 ng/g	105	50.0	150	----
QC-1754776-002	LCS-LL	PCB 177	52663-70-4	E689	0.1 ng/g	90.6	50.0	150	----
QC-1754776-002	LCS-LL	PCB 180	35065-29-3	E689	0.1 ng/g	86.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 182+187	n/a	E689	0.2 ng/g	98.5	50.0	150	----
QC-1754776-002	LCS-LL	PCB 183	52663-69-1	E689	0.1 ng/g	94.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 185	52712-05-7	E689	0.1 ng/g	96.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 189	39635-31-9	E689	0.1 ng/g	111	50.0	150	----
QC-1754776-002	LCS-LL	PCB 191	74472-50-7	E689	0.1 ng/g	98.4	50.0	150	----
QC-1754776-002	LCS-LL	PCB 193	69782-91-8	E689	0.1 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 194	35694-08-7	E689	0.15 ng/g	96.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 195	52663-78-2	E689	0.15 ng/g	88.9	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
QC-1754776-002	LCS-LL	PCB 196+203	n/a	E689	0.3 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 199	52663-75-9	E689	0.15 ng/g	100	50.0	150	----
QC-1754776-002	LCS-LL	PCB 201+204	n/a	E689	0.3 ng/g	85.2	50.0	150	----
QC-1754776-002	LCS-LL	PCB 202	2136-99-4	E689	0.15 ng/g	93.4	50.0	150	----
QC-1754776-002	LCS-LL	PCB 205	74472-53-0	E689	0.15 ng/g	87.8	50.0	150	----
QC-1754776-002	LCS-LL	PCB 206	40186-72-9	E689	0.15 ng/g	85.3	50.0	150	----
QC-1754776-002	LCS-LL	PCB 207	52663-79-3	E689	0.15 ng/g	76.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 208	52663-77-1	E689	0.15 ng/g	76.2	50.0	150	----
QC-1754776-002	LCS-LL	PCB 209	2051-24-3	E689	0.15 ng/g	74.9	50.0	150	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **BU2400982**	Page	: 1 of 26
Client	: **Matrix Solutions Inc.**	Laboratory	: ALS Environmental - Burlington
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 1435 Norjohn Court, Unit 1 Burlington, Ontario Canada L7L 0E6
Telephone	: 780 989 8347	Telephone	: +1 905 331 3111
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 13:48
PO	: ----	Issue Date	: 08-Nov-2024 16:02
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 81		
No. of samples analysed	: 81		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- Duplicate outliers occur - please see following pages for full details.
- Laboratory Control Sample (LCS) outliers occur - please see following pages for full details.
- Test sample Surrogate recovery outliers exist for all regular sample matrices - please see following pages for full details.

Outliers: Reference Material (RM) Samples

- Reference Material (RM) Sample outliers occur - please see the following pages for full details.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Biota**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Duplicate (DUP) RPDs								
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 001	2051-60-7	E689	166 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 020+021+033	n/a	E689	0.138 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 022	38444-85-8	E689	0.142 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 026	38444-81-4	E689	177 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-066	L2756004-88 15867240529218	PCB 070+076	n/a	E689	158 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 011	2050-67-1	E689A	0.127 % B,DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 052+073	n/a	E689A	0.0232 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 066+080	n/a	E689A	50.8 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 077	32598-13-3	E689A	51.9 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 084+089+090+101	n/a	E689A	0.103 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 085+120	n/a	E689A	54.6 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 086+087+111+115+116+117+125	n/a	E689A	50.4 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 092	52663-61-3	E689A	56.2 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 106+118	n/a	E689A	0.131 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 110	38380-03-9	E689A	0.0965 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).

Matrix: **Biota**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Duplicate (DUP) RPDs - Continued								
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 138+163+164	n/a	E689A	153 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 139+149	n/a	E689A	0.129 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 153	35065-27-1	E689A	0.233 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 170+190	n/a	E689A	0.108 % DUP-H, U	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 180	35065-29-3	E689A	0.211 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 182+187	n/a	E689A	0.0919 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 191	74472-50-7	E689A	192 % DUP-H, U	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 194	35694-08-7	E689A	53.9 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 205	74472-53-0	E689A	167 % DUP-H, U	50%	Duplicate RPD does not meet the DQO for this test.

Result Qualifiers

Qualifier	Description
B	*Method Blank exceeds ALS DQO. Associated sample results which are < Limit of Reporting or > 5 times blank level are considered reliable.*
DUP-H	*Duplicate results outside ALS DQO, due to sample heterogeneity.*
U	*Not Detected.*

Laboratory Control Sample (LCS) Recoveries								
Polychlorinated Biphenyls	QC-1754775-003	----	PCB 086+087+111+115+116+117+125	n/a	E689	156 % LCS-H	50.0-150%	Recovery greater than upper control limit

Result Qualifiers

Qualifier	Description
LCS-H	*Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.*

Matrix: **Biota**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Reference Material (RM) Sample								
Polychlorinated Biphenyls	QC-1754769-002	----	PCB 011	2050-67-1	E689A	177 % LCS-H	50.0-150%	Recovery greater than upper control limit

Result Qualifiers

Qualifier	Description
LCS-H	*Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.*

Regular Sample Surrogates

Sub-Matrix: **Vegetation**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Result	Limits	Comment
Samples Submitted							
Polychlorinated Biphenyls Surrogates	BU2400982-023	L2756004-27 15867240528015	PCB 003, 13C12	208263-77-8	4.9 %	5.00-145 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	BU2400982-027	L2756004-33 15867240528018	PCB 105, 13C12	208263-62-1	194 %	5.00-145 %	Recovery greater than upper data quality objective
Polychlorinated Biphenyls Surrogates	BU2400982-037	L2756004-43 15867240529023	PCB 105, 13C12	208263-62-1	2.0 %	5.00-145 %	Recovery less than lower data quality objective

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-13 - 15867240528008	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-15 - 15867240528009	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-17 - 15867240528010	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-19 - 15867240528011	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-21 - 15867240528012	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-23 - 15867240528013	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-25 - 15867240528014	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-27 - 15867240528015	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-29 - 15867240528016	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-3 - 15867240527003	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-33 - 15867240528018	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-35 - 15867240528019	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-37 - 15867240528020	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-39 - 15867240528021	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-41 - 15867240529022	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-43 - 15867240529023	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-47 - 15867240529025	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-5 - 15867240527004	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-55 - 15867240529030	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-7 - 15867240527005	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-100 - 15867240530230	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-101 - 15867240530231	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-10 - 15867240527106	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-102 - 15867240530233	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-103 - 15867240530235	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-14 - 15867240528108	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-16 - 15867240528109	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-18 - 15867240528110	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-20 - 15867240528111	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-22 - 15867240528112	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-24 - 15867240528113	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-26 - 15867240528114	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-28 - 15867240528115	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-30 - 15867240528116	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-34 - 15867240528118	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-36 - 15867240528119	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-38 - 15867240528120	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-40 - 15867240528121	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-4 - 15867240527103	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-42 - 15867240529122	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-44 - 15867240529123	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-48 - 15867240529125	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-56 - 15867240529130	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-57 - 15867240529031	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-58 - 15867240529131	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-59 - 15867240529032	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-60 - 15867240529132	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-61 - 15867240530033	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-6 - 15867240527104	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-62 - 15867240530133	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-71 - 15867240527201	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-72 - 15867240527202	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-73 - 15867240527203	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-74 - 15867240528204	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-75 - 15867240528205	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-76 - 15867240528206	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-77 - 15867240528207	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-78 - 15867240528208	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-79 - 15867240528209	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-80 - 15867240529210	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-81 - 15867240529211	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-8 - 15867240527105	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-82 - 15867240529212	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-83 - 15867240529213	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-84 - 15867240529214	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-85 - 15867240529215	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-86 - 15867240529216	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-87 - 15867240529217	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-88 - 15867240529218	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-89 - 15867240529219	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-90 - 15867240529220	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-91 - 15867240529221	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-9 - 15867240527006	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-92 - 15867240530222	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-93 - 15867240530223	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-94 - 15867240530224	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-95 - 15867240530225	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-96 - 15867240530226	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-97 - 15867240530227	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-98 - 15867240530228	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-99 - 15867240530229	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-101 - 15867240530231	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-10 - 15867240527106	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-13 - 15867240528008	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-14 - 15867240528108	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-15 - 15867240528009	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-16 - 15867240528109	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-17 - 15867240528010	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-18 - 15867240528110	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-19 - 15867240528011	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-20 - 15867240528111	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-21 - 15867240528012	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-22 - 15867240528112	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-23 - 15867240528013	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-24 - 15867240528113	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-25 - 15867240528014	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-26 - 15867240528114	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-27 - 15867240528015	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-28 - 15867240528115	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-29 - 15867240528016	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-30 - 15867240528116	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-3 - 15867240527003	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-33 - 15867240528018	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-34 - 15867240528118	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-35 - 15867240528019	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-36 - 15867240528119	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-37 - 15867240528020	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-38 - 15867240528120	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-39 - 15867240528021	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-40 - 15867240528121	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-41 - 15867240529022	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-4 - 15867240527103	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-42 - 15867240529122	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-43 - 15867240529023	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-44 - 15867240529123	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-47 - 15867240529025	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-48 - 15867240529125	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-5 - 15867240527004	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-55 - 15867240529030	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-56 - 15867240529130	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-57 - 15867240529031	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-58 - 15867240529131	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-59 - 15867240529032	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-60 - 15867240529132	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-61 - 15867240530033	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-6 - 15867240527104	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-62 - 15867240530133	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-71 - 15867240527201	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-7 - 15867240527005	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-74 - 15867240528204	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-77 - 15867240528207	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-80 - 15867240529210	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-8 - 15867240527105	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-83 - 15867240529213	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-86 - 15867240529216	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-87 - 15867240529217	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-9 - 15867240527006	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-92 - 15867240530222	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-98 - 15867240530228	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-100 - 15867240530230	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-102 - 15867240530233	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-103 - 15867240530235	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-72 - 15867240527202	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-73 - 15867240527203	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-75 - 15867240528205	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-76 - 15867240528206	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-78 - 15867240528208	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-79 - 15867240528209	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-81 - 15867240529211	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-82 - 15867240529212	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-84 - 15867240529214	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-85 - 15867240529215	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-88 - 15867240529218	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-89 - 15867240529219	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-90 - 15867240529220	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-91 - 15867240529221	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-93 - 15867240530223	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-94 - 15867240530224	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-95 - 15867240530225	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-96 - 15867240530226	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-97 - 15867240530227	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-99 - 15867240530229	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Legend & Qualifier Definitions

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Biota**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Moisture Content by Gravimetry	E144	1755369	6	81	7.4	5.0	✓
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A	1754608	4	58	6.9	5.0	✓
PCB Congeners in Biota by GC-MS (Dry weight)	E689	1754776	2	23	8.7	5.0	✓
Laboratory Control Samples (LCS)							
Moisture Content by Gravimetry	E144	1755369	6	81	7.4	5.0	✓
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A	1754608	10	58	17.2	10.0	✓
PCB Congeners in Biota by GC-MS (Dry weight)	E689	1754776	4	23	17.3	10.0	✓
Method Blanks (MB)							
Moisture Content by Gravimetry	E144	1755369	6	81	7.4	5.0	✓
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A	1754608	5	58	8.6	5.0	✓
PCB Congeners in Biota by GC-MS (Dry weight)	E689	1754776	2	23	8.7	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Moisture Content by Gravimetry	E144 ALS Environmental - Burlington	Biota	Puget Sound Water Quality Authority/CCME PHC in Soil - Tier 1	Moisture is measured gravimetrically by drying the sample at 105°C. Moisture content is calculated as the weight loss (due to water) divided by the wet weight of the sample, expressed as a percentage.
PCB Congeners in Biota by GC-MS (Dry weight)	E689 ALS Environmental - Burlington	Biota	EPA 8270E (mod)	PCB congeners are analyzed by GC-MS. Reported on a dry-weight basis.
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A ALS Environmental - Burlington	Biota	EPA 8270E (mod)	PCB congeners are analyzed by GC-MS. Reported on a wet-weight basis.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
DCM Soxhlet Extraction of Biota for PCBs	EP689 ALS Environmental - Burlington	Biota	EPA 8270E (mod)	Samples are extracted with DCM using a Soxhlet apparatus followed by appropriate cleanup.

Your P.O. #: PO-37832
Site Location: SWAN HILLS TREATMENT CENTRE
Your C.O.C. #: n/a

Attention: Louisa Ramsey

Veolia Water Technologies & Solutions
Swan Hills treatment Centre
Mailbag 1500
Swan Hills, AB
CANADA T0G 2C0

Report Date: 2024/05/27
Report #: R8165036
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4E1791
Received: 2024/05/10, 09:33

Sample Matrix: Filter
Samples Received: 21

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Metals on Hi-Vol Filter (6010Cmod)	3	2024/05/21	2024/05/23	CAM SOP-00408	EPA 6010D m
Total Metals on Hi-Vol Filter (6010Cmod)	18	2024/05/23	2024/05/24	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Your P.O. #: PO-37832
Site Location: SWAN HILLS TREATMENT CENTRE
Your C.O.C. #: n/a

Attention: Louisa Ramsey

Veolia Water Technologies & Solutions
Swan Hills treatment Centre
Mailbag 1500
Swan Hills, AB
CANADA T0G 2C0

Report Date: 2024/05/27
Report #: R8165036
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4E1791
Received: 2024/05/10, 09:33

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Cristina (Maria) Bacchus, Project Manager
Email: maria.bacchus@bureauveritas.com
Phone# (905)817-5763

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ596	ZDJ597	ZDJ598		
Sampling Date		2024/04/29 00:00	2023/02/01 00:00	2023/03/08 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	BLANK FILTER #9894180	SITE 1 FILTER #9402629	SITE 1 FILTER #9402627	RDL	QC Batch
Metals						
Aluminum (Al)	ug	569	373	401	50	9403820
Antimony (Sb)	ug	<10	<10	<10	10	9403820
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9403820
Barium (Ba)	ug	3.1	3.4	5.3	1.0	9403820
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9403820
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9403820
Boron (B)	ug	204	175	171	6.0	9403820
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9403820
Calcium (Ca)	ug	1810	1500	1830	50	9403820
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9403820
Cobalt (Co)	ug	<2.0	<2.0	2.4	2.0	9403820
Copper (Cu)	ug	<5.0	16.9	13.7	5.0	9403820
Iron (Fe)	ug	52	76	174	50	9403820
Lead (Pb)	ug	<3.0	<3.0	<3.0	3.0	9403820
Lithium (Li)	ug	<27	<27	<27	27	9403820
Magnesium (Mg)	ug	570	525	620	50	9403820
Manganese (Mn)	ug	<1.0	2.7	7.1	1.0	9403820
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9403820
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9403820
Phosphorus (P)	ug	<25	<25	<25	25	9403820
Potassium (K)	ug	592	607	610	100	9403820
Selenium (Se)	ug	<10	<10	<10	10	9403820
Silicon (Si)	ug	73	78	109	10	9403820
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9403820
Sodium (Na)	ug	19900	22700	22200	50	9403820
Strontium (Sr)	ug	3.9	3.3	3.8	1.0	9403820
Sulphur (S)	ug	<25	178	1730	25	9403820
Tin (Sn)	ug	<10	<10	<10	10	9403820
Titanium (Ti)	ug	13	<10	<10	10	9403820
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9403820
Zinc (Zn)	ug	<5.0	14.5	15.4	5.0	9403820
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9403820

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ599	ZDJ600	ZDJ601		
Sampling Date		2023/04/04 00:00	2023/05/16 00:00	2023/05/30 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 1 FILTER #9402625	SITE 1 FILTER #9402621	SITE 1 FILTER #9402619	RDL	QC Batch
Metals						
Aluminum (Al)	ug	422	584	527	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	4.1	50.6	9.7	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	203	203	227	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1790	6480	2000	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	2.7	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	10.2	13.0	15.4	5.0	9408326
Iron (Fe)	ug	166	571	303	50	9408326
Lead (Pb)	ug	<3.0	<3.0	<3.0	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	590	1080	682	50	9408326
Manganese (Mn)	ug	5.1	309	13.6	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	34	516	189	25	9408326
Potassium (K)	ug	603	2450	835	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	359	383	383	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	23400	22700	24600	50	9408326
Strontium (Sr)	ug	4.0	20.0	4.4	1.0	9408326
Sulphur (S)	ug	1020	1350	255	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	<10	15	<10	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	11.6	108	19.2	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4E1791
Report Date: 2024/05/27

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ602	ZDJ603	ZDJ604		
Sampling Date		2023/07/04 00:00	2023/08/01 00:00	2023/09/13 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 1 FILTER #9402611	SITE 1 FILTER #9402609	SITE 1 FILTER #9402606	RDL	QC Batch
Metals						
Aluminum (Al)	ug	385	431	592	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	3.6	18.8	14.2	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	249	222	222	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1730	1750	2200	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	11.3	<2.0	2.0	9408326
Copper (Cu)	ug	5.6	14.8	21.5	5.0	9408326
Iron (Fe)	ug	89	264	681	50	9408326
Lead (Pb)	ug	<3.0	<3.0	6.8	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	575	572	721	50	9408326
Manganese (Mn)	ug	4.6	7.0	24.1	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	53	42	79	25	9408326
Potassium (K)	ug	725	632	748	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	370	342	394	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	24600	23300	25200	50	9408326
Strontium (Sr)	ug	3.5	4.1	5.6	1.0	9408326
Sulphur (S)	ug	320	398	441	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	<10	12	19	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	11.4	19.3	57.9	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ605	ZDJ606	ZDJ607		
Sampling Date		2023/10/17 00:00	2023/10/19 00:00	2023/02/01 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 1 FILTER #9402605	SITE 1 FILTER #9402603	SITE 9 FILTER #9402628	RDL	QC Batch
Metals						
Aluminum (Al)	ug	449	377	430	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	5.9	3.1	3.7	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	222	206	193	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1900	1640	1620	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	14.2	7.8	16.8	5.0	9408326
Iron (Fe)	ug	398	109	306	50	9408326
Lead (Pb)	ug	<3.0	<3.0	<3.0	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	603	549	548	50	9408326
Manganese (Mn)	ug	13.2	2.8	4.1	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	35	<25	<25	25	9408326
Potassium (K)	ug	605	582	575	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	353	340	344	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	22900	23500	25300	50	9408326
Strontium (Sr)	ug	4.1	3.4	3.5	1.0	9408326
Sulphur (S)	ug	555	246	248	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	10	<10	<10	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	14.7	13.1	17.9	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

RDL = Reportable Detection Limit
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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ608	ZDJ609	ZDJ610		
Sampling Date		2023/03/08 00:00	2023/04/04 00:00	2023/05/16 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 9 FILTER #9402626	SITE 9 FILTER #9402624	SITE 9 FILTER #9402620	RDL	QC Batch
Metals						
Aluminum (Al)	ug	429	424	1000	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	4.9	4.2	59.8	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	193	211	210	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	2.9	2.0	9408326
Calcium (Ca)	ug	1980	1800	6630	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	11.0	8.4	44.4	5.0	9408326
Iron (Fe)	ug	207	154	1180	50	9408326
Lead (Pb)	ug	<3.0	<3.0	14.7	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	675	595	1170	50	9408326
Manganese (Mn)	ug	7.4	4.2	288	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	3.2	3.0	9408326
Phosphorus (P)	ug	<25	<25	467	25	9408326
Potassium (K)	ug	609	605	2400	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	361	347	425	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	23200	23900	24000	50	9408326
Strontium (Sr)	ug	4.1	3.8	20.4	1.0	9408326
Sulphur (S)	ug	1840	929	1520	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	<10	<10	31	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	14.2	10.0	155	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ611	ZDJ612	ZDJ613		
Sampling Date		2023/05/30 00:00	2023/07/04 00:00	2023/08/01 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 9 FILTER #9402618	SITE 9 FILTER #9402610	SITE 9 FILTER #9402608	RDL	QC Batch
Metals						
Aluminum (Al)	ug	789	411	598	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	10.7	5.0	11.3	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	196	239	214	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1900	1630	1980	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	2.1	2.0	9408326
Copper (Cu)	ug	9.9	10.5	13.6	5.0	9408326
Iron (Fe)	ug	638	115	630	50	9408326
Lead (Pb)	ug	<3.0	<3.0	3.2	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	647	547	678	50	9408326
Manganese (Mn)	ug	15.8	4.7	15.7	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	69	55	49	25	9408326
Potassium (K)	ug	663	682	640	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	403	348	461	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	22300	23500	23100	50	9408326
Strontium (Sr)	ug	4.5	3.4	4.6	1.0	9408326
Sulphur (S)	ug	328	275	379	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	13	<10	20	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	16.9	13.9	19.8	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ614	ZDJ615	ZDJ616		
Sampling Date		2023/09/13 00:00	2023/10/17 00:00	2023/10/19 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 9 FILTER #9402607	SITE 9 FILTER #9402604	SITE 9 FILTER #9402602	RDL	QC Batch
Metals						
Aluminum (Al)	ug	1190	705	551	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	39.5	15.7	16.8	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	205	188	245	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	3190	2210	2130	50	9408326
Chromium (Cr)	ug	5.7	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	55.7	24.3	21.5	5.0	9408326
Iron (Fe)	ug	2240	1050	403	50	9408326
Lead (Pb)	ug	24.7	5.8	14.3	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	1020	706	649	50	9408326
Manganese (Mn)	ug	53.1	27.6	8.2	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	4.7	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	116	49	33	25	9408326
Potassium (K)	ug	815	617	675	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	572	497	500	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	24500	22100	26700	50	9408326
Strontium (Sr)	ug	8.6	5.0	5.0	1.0	9408326
Sulphur (S)	ug	709	504	306	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	69	28	24	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	125	32.2	65.2	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9403820	MEN	Matrix Spike	Aluminum (Al)	2024/05/22		132 (1)	%	75 - 125
			Antimony (Sb)	2024/05/22		94	%	75 - 125
			Arsenic (As)	2024/05/22		98	%	75 - 125
			Barium (Ba)	2024/05/22		102	%	75 - 125
			Beryllium (Be)	2024/05/22		94	%	75 - 125
			Bismuth (Bi)	2024/05/22		98	%	75 - 125
			Boron (B)	2024/05/22		95	%	75 - 125
			Cadmium (Cd)	2024/05/22		101	%	75 - 125
			Calcium (Ca)	2024/05/22		94	%	75 - 125
			Chromium (Cr)	2024/05/22		92	%	75 - 125
			Cobalt (Co)	2024/05/22		97	%	75 - 125
			Copper (Cu)	2024/05/22		93	%	75 - 125
			Iron (Fe)	2024/05/22		102	%	75 - 125
			Lead (Pb)	2024/05/22		95	%	75 - 125
			Magnesium (Mg)	2024/05/22		102	%	75 - 125
			Manganese (Mn)	2024/05/22		97	%	75 - 125
			Molybdenum (Mo)	2024/05/22		99	%	75 - 125
			Nickel (Ni)	2024/05/22		96	%	75 - 125
			Phosphorus (P)	2024/05/22		102	%	75 - 125
			Potassium (K)	2024/05/22		99	%	75 - 125
			Selenium (Se)	2024/05/22		99	%	75 - 125
			Silicon (Si)	2024/05/22		296 (1)	%	75 - 125
			Silver (Ag)	2024/05/22		100	%	75 - 125
			Sodium (Na)	2024/05/22		96	%	75 - 125
			Strontium (Sr)	2024/05/22		97	%	75 - 125
			Sulphur (S)	2024/05/22		106	%	75 - 125
			Tin (Sn)	2024/05/22		101	%	75 - 125
			Titanium (Ti)	2024/05/22		97	%	75 - 125
			Vanadium (V)	2024/05/22		95	%	75 - 125
			Zinc (Zn)	2024/05/22		96	%	75 - 125
			Zirconium (Zr)	2024/05/22		94	%	75 - 125
9403820	MEN	RPD	Aluminum (Al)	2024/05/22	4.7		%	20
			Antimony (Sb)	2024/05/22	0.32		%	20
			Arsenic (As)	2024/05/22	0.51		%	20
			Barium (Ba)	2024/05/22	1.4		%	20
			Beryllium (Be)	2024/05/22	0.11		%	20
			Bismuth (Bi)	2024/05/22	1.5		%	20
			Boron (B)	2024/05/22	0.42		%	20
			Cadmium (Cd)	2024/05/22	0.20		%	20
			Calcium (Ca)	2024/05/22	2.6		%	20
			Chromium (Cr)	2024/05/22	1.9		%	20
			Cobalt (Co)	2024/05/22	0.21		%	20
			Copper (Cu)	2024/05/22	5.1		%	20
			Iron (Fe)	2024/05/22	2.4		%	20
			Lead (Pb)	2024/05/22	1.1		%	20
			Magnesium (Mg)	2024/05/22	0.88		%	20
			Manganese (Mn)	2024/05/22	0.62		%	20
			Molybdenum (Mo)	2024/05/22	0		%	20
			Nickel (Ni)	2024/05/22	0.42		%	20
			Phosphorus (P)	2024/05/22	1.7		%	20
			Potassium (K)	2024/05/22	0		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Selenium (Se)	2024/05/22	1.8		%	20
			Silicon (Si)	2024/05/22	1.1		%	20
			Silver (Ag)	2024/05/22	0.79		%	20
			Sodium (Na)	2024/05/22	3.8		%	20
			Strontium (Sr)	2024/05/22	0.31		%	20
			Sulphur (S)	2024/05/22	11		%	20
			Tin (Sn)	2024/05/22	0.70		%	20
			Titanium (Ti)	2024/05/22	0.52		%	20
			Vanadium (V)	2024/05/22	0.74		%	20
			Zinc (Zn)	2024/05/22	0.93		%	20
			Zirconium (Zr)	2024/05/22	0.75		%	20
			Aluminum (Al)	2024/05/22	3.9		%	20
			Antimony (Sb)	2024/05/22	1.0		%	20
			Arsenic (As)	2024/05/22	0.83		%	20
			Barium (Ba)	2024/05/22	0.71		%	20
			Beryllium (Be)	2024/05/22	1.5		%	20
			Bismuth (Bi)	2024/05/22	0.10		%	20
			Boron (B)	2024/05/22	0.53		%	20
			Cadmium (Cd)	2024/05/22	1.0		%	20
			Calcium (Ca)	2024/05/22	1.2		%	20
			Chromium (Cr)	2024/05/22	1.4		%	20
			Cobalt (Co)	2024/05/22	0.62		%	20
			Copper (Cu)	2024/05/22	0.31		%	20
			Iron (Fe)	2024/05/22	0.71		%	20
			Lead (Pb)	2024/05/22	0.95		%	20
			Magnesium (Mg)	2024/05/22	0.92		%	20
			Manganese (Mn)	2024/05/22	1.2		%	20
			Molybdenum (Mo)	2024/05/22	0.61		%	20
			Nickel (Ni)	2024/05/22	0.73		%	20
			Phosphorus (P)	2024/05/22	2.5		%	20
			Potassium (K)	2024/05/22	0		%	20
			Selenium (Se)	2024/05/22	2.8		%	20
			Silicon (Si)	2024/05/22	0.11		%	20
			Silver (Ag)	2024/05/22	0.97		%	20
			Sodium (Na)	2024/05/22	1.2		%	20
			Strontium (Sr)	2024/05/22	1.4		%	20
			Sulphur (S)	2024/05/22	0.19		%	20
			Tin (Sn)	2024/05/22	0.80		%	20
			Titanium (Ti)	2024/05/22	1.6		%	20
			Vanadium (V)	2024/05/22	2.0		%	20
			Zinc (Zn)	2024/05/22	0.62		%	20
			Zirconium (Zr)	2024/05/22	1.3		%	20
			Arsenic (As)	2024/05/22	NC		%	20
			Barium (Ba)	2024/05/22	9.7		%	20
			Cadmium (Cd)	2024/05/22	NC		%	20
			Chromium (Cr)	2024/05/22	NC		%	20
			Cobalt (Co)	2024/05/22	NC		%	20
			Iron (Fe)	2024/05/22	9.0		%	20
			Lead (Pb)	2024/05/22	6.4		%	20
			Magnesium (Mg)	2024/05/22	11		%	20
			Manganese (Mn)	2024/05/22	9.8		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Nickel (Ni)	2024/05/22	NC		%	20
9403820	MEN	Spiked Blank	Aluminum (Al)	2024/05/22		93	%	85 - 115
			Antimony (Sb)	2024/05/22		90	%	66 - 107
			Arsenic (As)	2024/05/22		97	%	85 - 115
			Barium (Ba)	2024/05/22		99	%	85 - 115
			Beryllium (Be)	2024/05/22		94	%	85 - 115
			Bismuth (Bi)	2024/05/22		98	%	85 - 115
			Boron (B)	2024/05/22		94	%	85 - 115
			Cadmium (Cd)	2024/05/22		100	%	85 - 115
			Calcium (Ca)	2024/05/22		91	%	85 - 115
			Chromium (Cr)	2024/05/22		89	%	85 - 115
			Cobalt (Co)	2024/05/22		97	%	85 - 115
			Copper (Cu)	2024/05/22		96	%	85 - 115
			Iron (Fe)	2024/05/22		99	%	85 - 115
			Lead (Pb)	2024/05/22		95	%	85 - 115
			Magnesium (Mg)	2024/05/22		98	%	85 - 115
			Manganese (Mn)	2024/05/22		97	%	85 - 115
			Molybdenum (Mo)	2024/05/22		99	%	85 - 115
			Nickel (Ni)	2024/05/22		95	%	85 - 115
			Phosphorus (P)	2024/05/22		100	%	85 - 115
			Potassium (K)	2024/05/22		97	%	85 - 115
			Selenium (Se)	2024/05/22		101	%	85 - 115
			Silicon (Si)	2024/05/22		93	%	85 - 115
			Silver (Ag)	2024/05/22		102	%	85 - 115
			Sodium (Na)	2024/05/22		90	%	85 - 115
			Strontium (Sr)	2024/05/22		95	%	85 - 115
			Sulphur (S)	2024/05/22		104	%	85 - 115
			Tin (Sn)	2024/05/22		100	%	85 - 115
			Titanium (Ti)	2024/05/22		95	%	85 - 115
			Vanadium (V)	2024/05/22		95	%	85 - 115
			Zinc (Zn)	2024/05/22		97	%	85 - 115
			Zirconium (Zr)	2024/05/22		95	%	85 - 115
9403820	MEN	Method Blank	Aluminum (Al)	2024/05/22	<50		ug	
			Antimony (Sb)	2024/05/22	<10		ug	
			Arsenic (As)	2024/05/22	<6.0		ug	
			Barium (Ba)	2024/05/22	<1.0		ug	
			Beryllium (Be)	2024/05/22	<1.0		ug	
			Bismuth (Bi)	2024/05/22	<6.0		ug	
			Boron (B)	2024/05/22	<6.0		ug	
			Cadmium (Cd)	2024/05/22	<2.0		ug	
			Calcium (Ca)	2024/05/22	<50		ug	
			Chromium (Cr)	2024/05/22	<5.0		ug	
			Cobalt (Co)	2024/05/22	<2.0		ug	
			Copper (Cu)	2024/05/22	<5.0		ug	
			Iron (Fe)	2024/05/22	<50		ug	
			Lead (Pb)	2024/05/22	<3.0		ug	
			Lithium (Li)	2024/05/22	<27		ug	
			Magnesium (Mg)	2024/05/22	<50		ug	
			Manganese (Mn)	2024/05/22	<1.0		ug	
			Molybdenum (Mo)	2024/05/22	<3.0		ug	
			Nickel (Ni)	2024/05/22	<3.0		ug	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Phosphorus (P)	2024/05/22	<25		ug	
			Potassium (K)	2024/05/22	<100		ug	
			Selenium (Se)	2024/05/22	<10		ug	
			Silicon (Si)	2024/05/22	<10		ug	
			Silver (Ag)	2024/05/22	<5.0		ug	
			Sodium (Na)	2024/05/22	<50		ug	
			Strontium (Sr)	2024/05/22	<1.0		ug	
			Sulphur (S)	2024/05/22	<25		ug	
			Tin (Sn)	2024/05/22	<10		ug	
			Titanium (Ti)	2024/05/22	<10		ug	
			Vanadium (V)	2024/05/22	<5.0		ug	
			Zinc (Zn)	2024/05/22	<5.0		ug	
			Zirconium (Zr)	2024/05/22	<5.0		ug	
9408326	JGC	Matrix Spike [ZDJ600-01]	Aluminum (Al)	2024/05/24		NC	%	75 - 125
			Antimony (Sb)	2024/05/24		97	%	75 - 125
			Arsenic (As)	2024/05/24		104	%	75 - 125
			Barium (Ba)	2024/05/24		97	%	75 - 125
			Beryllium (Be)	2024/05/24		104	%	75 - 125
			Bismuth (Bi)	2024/05/24		99	%	75 - 125
			Boron (B)	2024/05/24		NC	%	75 - 125
			Cadmium (Cd)	2024/05/24		104	%	75 - 125
			Calcium (Ca)	2024/05/24		NC	%	75 - 125
			Chromium (Cr)	2024/05/24		106	%	75 - 125
			Cobalt (Co)	2024/05/24		100	%	75 - 125
			Copper (Cu)	2024/05/24		104	%	75 - 125
			Iron (Fe)	2024/05/24		103	%	75 - 125
			Lead (Pb)	2024/05/24		99	%	75 - 125
			Magnesium (Mg)	2024/05/24		106	%	75 - 125
			Manganese (Mn)	2024/05/24		107	%	75 - 125
			Molybdenum (Mo)	2024/05/24		101	%	75 - 125
			Nickel (Ni)	2024/05/24		100	%	75 - 125
			Phosphorus (P)	2024/05/24		109	%	75 - 125
			Potassium (K)	2024/05/24		107	%	75 - 125
			Selenium (Se)	2024/05/24		87	%	75 - 125
			Silicon (Si)	2024/05/24		NC	%	75 - 125
			Silver (Ag)	2024/05/24		98	%	75 - 125
			Sodium (Na)	2024/05/24		NC	%	75 - 125
			Strontium (Sr)	2024/05/24		102	%	75 - 125
			Sulphur (S)	2024/05/24		120	%	75 - 125
			Tin (Sn)	2024/05/24		101	%	75 - 125
			Titanium (Ti)	2024/05/24		101	%	75 - 125
			Vanadium (V)	2024/05/24		101	%	75 - 125
			Zinc (Zn)	2024/05/24		103	%	75 - 125
			Zirconium (Zr)	2024/05/24		91	%	75 - 125
9408326	JGC	RPD [ZDJ600-01]	Aluminum (Al)	2024/05/24	0		%	20
			Antimony (Sb)	2024/05/24	0.51		%	20
			Arsenic (As)	2024/05/24	0.57		%	20
			Barium (Ba)	2024/05/24	6.7		%	20
			Beryllium (Be)	2024/05/24	0.96		%	20
			Bismuth (Bi)	2024/05/24	2.6		%	20
			Boron (B)	2024/05/24	0		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Cadmium (Cd)	2024/05/24	1.3		%	20
			Calcium (Ca)	2024/05/24	0		%	20
			Chromium (Cr)	2024/05/24	0.85		%	20
			Cobalt (Co)	2024/05/24	1.0		%	20
			Copper (Cu)	2024/05/24	1.6		%	20
			Iron (Fe)	2024/05/24	4.1		%	20
			Lead (Pb)	2024/05/24	1.3		%	20
			Magnesium (Mg)	2024/05/24	7.3		%	20
			Manganese (Mn)	2024/05/24	24 (2)		%	20
			Molybdenum (Mo)	2024/05/24	0.49		%	20
			Nickel (Ni)	2024/05/24	1.8		%	20
			Phosphorus (P)	2024/05/24	9.1		%	20
			Potassium (K)	2024/05/24	12		%	20
			Selenium (Se)	2024/05/24	4.6		%	20
			Silicon (Si)	2024/05/24	0		%	20
			Silver (Ag)	2024/05/24	1.0		%	20
			Sodium (Na)	2024/05/24	0		%	20
			Strontium (Sr)	2024/05/24	3.9		%	20
			Sulphur (S)	2024/05/24	30 (2)		%	20
			Tin (Sn)	2024/05/24	1.7		%	20
			Titanium (Ti)	2024/05/24	0.20		%	20
			Vanadium (V)	2024/05/24	1.6		%	20
			Zinc (Zn)	2024/05/24	2.6		%	20
			Zirconium (Zr)	2024/05/24	3.6		%	20
			Aluminum (Al)	2024/05/24	4.9		%	20
			Antimony (Sb)	2024/05/24	NC		%	20
			Arsenic (As)	2024/05/24	NC		%	20
			Barium (Ba)	2024/05/24	0.44		%	20
			Beryllium (Be)	2024/05/24	NC		%	20
			Bismuth (Bi)	2024/05/24	NC		%	20
			Boron (B)	2024/05/24	5.5		%	20
			Cadmium (Cd)	2024/05/24	NC		%	20
			Calcium (Ca)	2024/05/24	3.6		%	20
			Chromium (Cr)	2024/05/24	NC		%	20
			Cobalt (Co)	2024/05/24	NC		%	20
			Copper (Cu)	2024/05/24	NC		%	20
			Iron (Fe)	2024/05/24	4.8		%	20
			Lead (Pb)	2024/05/24	14		%	20
			Lithium (Li)	2024/05/24	NC		%	20
			Magnesium (Mg)	2024/05/24	4.3		%	20
			Manganese (Mn)	2024/05/24	0.68		%	20
			Molybdenum (Mo)	2024/05/24	NC		%	20
			Nickel (Ni)	2024/05/24	NC		%	20
			Phosphorus (P)	2024/05/24	1.6		%	20
			Potassium (K)	2024/05/24	4.8		%	20
			Selenium (Se)	2024/05/24	NC		%	20
			Silicon (Si)	2024/05/24	3.9		%	20
			Silver (Ag)	2024/05/24	NC		%	20
			Sodium (Na)	2024/05/24	4.3		%	20
			Strontium (Sr)	2024/05/24	1.6		%	20
			Sulphur (S)	2024/05/24	5.0		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Tin (Sn)	2024/05/24	NC		%	20
			Titanium (Ti)	2024/05/24	1.9		%	20
			Vanadium (V)	2024/05/24	NC		%	20
			Zinc (Zn)	2024/05/24	3.4		%	20
			Zirconium (Zr)	2024/05/24	NC		%	20
9408326	JGC	Spiked Blank	Aluminum (Al)	2024/05/24		99	%	85 - 115
			Antimony (Sb)	2024/05/24		99	%	66 - 107
			Arsenic (As)	2024/05/24		102	%	85 - 115
			Barium (Ba)	2024/05/24		96	%	85 - 115
			Beryllium (Be)	2024/05/24		104	%	85 - 115
			Bismuth (Bi)	2024/05/24		100	%	85 - 115
			Boron (B)	2024/05/24		102	%	85 - 115
			Cadmium (Cd)	2024/05/24		103	%	85 - 115
			Calcium (Ca)	2024/05/24		101	%	85 - 115
			Chromium (Cr)	2024/05/24		102	%	85 - 115
			Cobalt (Co)	2024/05/24		101	%	85 - 115
			Copper (Cu)	2024/05/24		102	%	85 - 115
			Iron (Fe)	2024/05/24		100	%	85 - 115
			Lead (Pb)	2024/05/24		100	%	85 - 115
			Magnesium (Mg)	2024/05/24		102	%	85 - 115
			Manganese (Mn)	2024/05/24		103	%	85 - 115
			Molybdenum (Mo)	2024/05/24		99	%	85 - 115
			Nickel (Ni)	2024/05/24		102	%	85 - 115
			Phosphorus (P)	2024/05/24		104	%	85 - 115
			Potassium (K)	2024/05/24		100	%	85 - 115
			Selenium (Se)	2024/05/24		103	%	85 - 115
			Silicon (Si)	2024/05/24		102	%	85 - 115
			Silver (Ag)	2024/05/24		98	%	85 - 115
			Sodium (Na)	2024/05/24		100	%	85 - 115
			Strontium (Sr)	2024/05/24		101	%	85 - 115
			Sulphur (S)	2024/05/24		103	%	85 - 115
			Tin (Sn)	2024/05/24		101	%	85 - 115
			Titanium (Ti)	2024/05/24		100	%	85 - 115
			Vanadium (V)	2024/05/24		100	%	85 - 115
			Zinc (Zn)	2024/05/24		101	%	85 - 115
			Zirconium (Zr)	2024/05/24		102	%	85 - 115
9408326	JGC	RPD	Aluminum (Al)	2024/05/24	1.6		%	20
			Antimony (Sb)	2024/05/24	3.2		%	20
			Arsenic (As)	2024/05/24	2.6		%	20
			Barium (Ba)	2024/05/24	2.4		%	20
			Beryllium (Be)	2024/05/24	2.3		%	20
			Bismuth (Bi)	2024/05/24	1.9		%	20
			Boron (B)	2024/05/24	2.6		%	20
			Cadmium (Cd)	2024/05/24	3.1		%	20
			Calcium (Ca)	2024/05/24	1.8		%	20
			Chromium (Cr)	2024/05/24	2.9		%	20
			Cobalt (Co)	2024/05/24	2.8		%	20
			Copper (Cu)	2024/05/24	1.3		%	20
			Iron (Fe)	2024/05/24	1.4		%	20
			Lead (Pb)	2024/05/24	2.2		%	20
			Magnesium (Mg)	2024/05/24	1.6		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Manganese (Mn)	2024/05/24	2.1		%	20
			Molybdenum (Mo)	2024/05/24	2.2		%	20
			Nickel (Ni)	2024/05/24	2.8		%	20
			Phosphorus (P)	2024/05/24	2.3		%	20
			Potassium (K)	2024/05/24	0.20		%	20
			Selenium (Se)	2024/05/24	1.6		%	20
			Silicon (Si)	2024/05/24	3.0		%	20
			Silver (Ag)	2024/05/24	3.0		%	20
			Sodium (Na)	2024/05/24	2.3		%	20
			Strontium (Sr)	2024/05/24	2.2		%	20
			Sulphur (S)	2024/05/24	2.7		%	20
			Tin (Sn)	2024/05/24	3.1		%	20
			Titanium (Ti)	2024/05/24	2.4		%	20
			Vanadium (V)	2024/05/24	2.2		%	20
			Zinc (Zn)	2024/05/24	2.7		%	20
			Zirconium (Zr)	2024/05/24	2.8		%	20
9408326	JGC	Method Blank	Aluminum (Al)	2024/05/24	<50		ug	
			Antimony (Sb)	2024/05/24	<10		ug	
			Arsenic (As)	2024/05/24	<6.0		ug	
			Barium (Ba)	2024/05/24	<1.0		ug	
			Beryllium (Be)	2024/05/24	<1.0		ug	
			Bismuth (Bi)	2024/05/24	<6.0		ug	
			Boron (B)	2024/05/24	<6.0		ug	
			Cadmium (Cd)	2024/05/24	<2.0		ug	
			Calcium (Ca)	2024/05/24	<50		ug	
			Chromium (Cr)	2024/05/24	<5.0		ug	
			Cobalt (Co)	2024/05/24	<2.0		ug	
			Copper (Cu)	2024/05/24	<5.0		ug	
			Iron (Fe)	2024/05/24	<50		ug	
			Lead (Pb)	2024/05/24	<3.0		ug	
			Lithium (Li)	2024/05/24	<27		ug	
			Magnesium (Mg)	2024/05/24	<50		ug	
			Manganese (Mn)	2024/05/24	<1.0		ug	
			Molybdenum (Mo)	2024/05/24	<3.0		ug	
			Nickel (Ni)	2024/05/24	<3.0		ug	
			Phosphorus (P)	2024/05/24	<25		ug	
			Potassium (K)	2024/05/24	<100		ug	
			Selenium (Se)	2024/05/24	<10		ug	
			Silicon (Si)	2024/05/24	<10		ug	
			Silver (Ag)	2024/05/24	<5.0		ug	
			Sodium (Na)	2024/05/24	<50		ug	
			Strontium (Sr)	2024/05/24	<1.0		ug	
			Sulphur (S)	2024/05/24	<25		ug	
			Tin (Sn)	2024/05/24	<10		ug	
			Titanium (Ti)	2024/05/24	<10		ug	
			Vanadium (V)	2024/05/24	<5.0		ug	
			Zinc (Zn)	2024/05/24	<5.0		ug	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Zirconium (Zr)	2024/05/24	<5.0		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Matrix Spike exceeds acceptance limits, probable matrix interference

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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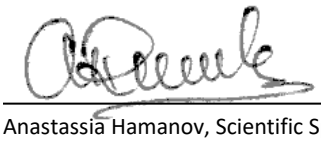
Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4E1791
Report Date: 2024/05/27

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

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ALS Canada Ltd.

right solutions. right partner.

CERTIFICATE OF ANALYSIS

Work Order	: **EO2404138**	Page	: 1 of 107
Amendment	: **2**		
Client	: **Matrix Solutions Inc.**	Laboratory	: ALS Environmental - Edmonton
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 9450 - 17 Avenue NW Edmonton AB Canada T6N 1M9
Telephone	: 780 989 8347	Telephone	: +1 780 413 5227
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 12:38
PO	: 065460	Date Analysis Commenced	: 05-Jun-2024
C-O-C number	: 120251,54,55,117776,106148,120253, 117778,117779,120252,112100	Issue Date	: 06-Aug-2024 15:01
Sampler	: LO/MW		
Site	: Swan Hills Treatment Centre		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 163		
No. of samples analysed	: 105		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Thornton	Analyst	Metals, Burnaby, British Columbia
Ann Ho	Laboratory Analyst	Organics, Burnaby, British Columbia
Dan Gebert	Laboratory Analyst	Metals, Burnaby, British Columbia
Geoff Berg	Lab Analyst	Organics, Edmonton, Alberta
Ilnaz Badbezanchi	Supervisor - Metals Prep & Mercury	Metals, Burnaby, British Columbia
Janice Leung	Supervisor - Organics Instrumentation	Organics, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Metals, Burnaby, British Columbia
Monica Ko	Lab Assistant	Inorganics, Burnaby, British Columbia
Owen Cheng		Metals, Burnaby, British Columbia
Tracy Harley	Supervisor - Water Quality Instrumentation	Inorganics, Burnaby, British Columbia
Yan Zhang	Team Leader - Organics	Organics, Edmonton, Alberta

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.
Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Unit	*Description*
%	percent
µS/cm	microsiemens per centimetre
mg/kg	milligrams per kilogram
pH units	pH units

>: greater than.
<: less than.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
DLHM	*Detection Limit Adjusted: Sample has high moisture content.*
DLM	*Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).*
SLMI	*Surrogate recovery was outside ALS DQO (Low) due to Matrix Interference*

Analytical Results

EO2404138-001

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527001
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	73.6	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	570	± 208	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.033	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.258	± 0.044	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	58.2	± 15.5	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.030	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	7.1	± 1.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.289	± 0.0412	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	8940	± 3200	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	1.02	± 0.381	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.608	± 0.101	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	4.05	± 0.55	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	670	± 152	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.906	± 0.270	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	890	± 133	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	741	± 132	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0968	± 0.0135	0.0067	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.123	± 0.018	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.60	± 0.42	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1200	± 192	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	3080	± 363	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.091	± 0.015	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0318	± 0.0065	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	26	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	22.2	± 7.41	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	930	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0275	± 0.0058	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.18	± 0.06	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	13.2	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0515	± 0.0126	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	1.32	± 0.36	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	64.8	± 10.7	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.66	± 0.20	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-002

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527101
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	47.5	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	65.9	± 24.2	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.027	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	103	± 27.6	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	24.1	± 3.9	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0087	± 0.0013	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6360	± 2280	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.086	± 0.035	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.042	± 0.007	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.20	± 0.43	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	79.4	± 18.2	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.059	± 0.019	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1560	± 233	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	1050	± 187	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0174	± 0.0025	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.034	± 0.005	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.31	± 0.09	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1500	± 240	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	5000	± 587	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	12.4	± 4.16	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1230	± 210	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0108	± 0.0028	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.19	± 0.06	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.67	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0034	± 0.0008	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	27.1	± 4.50	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-003

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527002 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	73.8	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	422	± 154	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.027	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.200	± 0.035	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	49.6	± 13.3	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.020	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	7.2	± 1.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.345	± 0.0492	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	8430	± 3020	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.570	± 0.214	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.450	± 0.074	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.28	± 0.44	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	492	± 112	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.699	± 0.209	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	975	± 146	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	790	± 141	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0709	± 0.0099	0.0053	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.099	± 0.014	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.02	± 0.27	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1290	± 205	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	3880	± 456	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.073	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0343	± 0.0070	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	26	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	22.0	± 7.37	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	920	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0217	± 0.0047	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	9.54	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0397	± 0.0097	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	1.03	± 0.28	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	62.1	± 10.3	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.28	± 0.08	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-004

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527102 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	40.8	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	76.1	± 27.8	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.030	± 0.011	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	94.2	± 25.2	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	23.6	± 3.8	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0088	± 0.0013	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6390	± 2290	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.083	± 0.034	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.044	± 0.007	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.15	± 0.43	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	79.6	± 18.2	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.061	± 0.019	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1600	± 240	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	971	± 173	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0173	± 0.0025	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.028	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.34	± 0.10	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1540	± 246	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	5070	± 595	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	11.9	± 3.97	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1200	± 210	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0125	± 0.0030	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.74	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0032	± 0.0008	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	0.11	± 0.03	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	25.2	± 4.20	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-013

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240527401 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	67.5	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-015

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528007
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	60.2	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	486	± 177	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.043	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.148	± 0.027	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	35.7	± 9.53	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.018	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	7.0	± 1.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0953	± 0.0136	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6960	± 2490	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.522	± 0.196	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.238	± 0.039	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.71	± 0.50	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	410	± 93.4	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.744	± 0.222	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	758	± 113	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	1100	± 197	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.100	± 0.0140	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.081	± 0.012	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.33	± 0.35	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1210	± 192	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	2550	± 300	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.068	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0326	± 0.0067	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	30	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	7.61	± 2.55	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	940	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0243	± 0.0052	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.16	± 0.05	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	8.92	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0220	± 0.0054	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	0.86	± 0.24	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	57.7	± 9.58	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.26	± 0.08	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-016

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528107
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	33.2	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	54.0	± 19.8	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.012	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	<0.020	-	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	91.4	± 24.4	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	20.1	± 3.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	<0.0050	-	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6030	± 2160	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.086	± 0.035	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.036	± 0.006	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.04	± 0.41	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	50.3	± 11.5	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.036	± 0.012	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1480	± 221	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	1010	± 180	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0144	± 0.0021	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	<0.020	-	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.80	± 0.21	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1390	± 222	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	4420	± 520	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	5.68	± 1.90	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1200	± 210	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	<0.0020	-	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.05	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	<0.0020	-	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	19.7	± 3.28	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-035

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528017
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	61.6	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	400	± 146	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.052	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.183	± 0.032	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	28.4	± 7.60	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.016	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	5.8	± 1.0	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.142	± 0.0204	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6710	± 2400	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.600	± 0.225	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.218	± 0.036	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.54	± 0.48	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	439	± 100	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	1.73	± 0.514	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	752	± 112	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	852	± 152	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.132	± 0.0184	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.107	± 0.016	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.12	± 0.29	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1070	± 170	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	2670	± 314	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.069	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0366	± 0.0075	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	28	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	8.65	± 2.89	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	880	± 160	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0212	± 0.0046	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.24	± 0.08	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	8.82	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0263	± 0.0064	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	0.88	± 0.24	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	50.5	± 8.38	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.27	± 0.08	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-036

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528117
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	41.7	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	54.0	± 19.8	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.020	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	90.0	± 24.0	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	23.0	± 3.7	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0068	± 0.0010	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5570	± 1990	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.202	± 0.077	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.024	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	2.95	± 0.40	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	68.7	± 15.7	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.086	± 0.027	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1590	± 237	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	840	± 150	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0148	± 0.0022	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	<0.020	-	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.33	± 0.09	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1470	± 234	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	4650	± 546	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0052	± 0.0011	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	6.79	± 2.27	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1240	± 210	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0133	± 0.0032	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.08	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	<0.0020	-	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	22.7	± 3.78	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-045

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528403 -
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	65.5	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-050

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529024
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	61.2	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	283	± 103	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.044	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.154	± 0.028	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	78.9	± 21.1	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.010	± 0.002	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	5.6	± 1.0	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0924	± 0.0132	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6920	± 2480	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.434	± 0.163	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.310	± 0.051	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.66	± 0.50	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	362	± 82.4	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	1.67	± 0.498	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	830	± 124	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	968	± 172	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.128	± 0.0178	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.124	± 0.018	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.65	± 0.18	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1240	± 198	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	3480	± 409	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.062	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0298	± 0.0061	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	26	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	21.6	± 7.21	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	820	± 150	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0170	± 0.0039	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.13	± 0.04	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	7.53	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0226	± 0.0055	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	0.74	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	51.0	± 8.46	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.22	± 0.07	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-051

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529124 -
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	35.4	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	60.8	± 22.3	2.0	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Arsenic	7440-38-2	0.026	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Barium	7440-39-3	102	± 27.3	0.050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Boron	7440-42-8	22.8	± 3.7	1.0	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Cadmium	7440-43-9	0.0067	± 0.0010	0.0050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Calcium	7440-70-2	6640	± 2380	20	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Chromium	7440-47-3	0.069	± 0.029	0.050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Cobalt	7440-48-4	0.032	± 0.005	0.020	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Copper	7440-50-8	3.00	± 0.41	0.10	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Iron	7439-89-6	73.4	± 16.8	3.0	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Lead	7439-92-1	0.060	± 0.019	0.020	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Magnesium	7439-95-4	1580	± 236	2.0	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Manganese	7439-96-5	806	± 144	0.050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Mercury	7439-97-6	0.0137	± 0.0020	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.029	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Nickel	7440-02-0	0.35	± 0.10	0.20	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Phosphorus	7723-14-0	1470	± 234	10	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Potassium	7440-09-7	4030	± 474	20	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Strontium	7440-24-6	9.41	± 3.15	0.050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Sulfur	7704-34-9	1290	± 220	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0024	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Titanium	7440-32-6	1.64	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0023	± 0.0006	0.0020	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Zinc	7440-66-6	23.4	± 3.89	0.50	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-054

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529026
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	57.7	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	804	± 293	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.226	± 0.020	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.556	± 0.092	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	51.1	± 13.6	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.031	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	8.9	± 1.5	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.308	± 0.0440	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	8060	± 2890	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	1.88	± 0.699	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.548	± 0.091	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	8.94	± 1.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	1090	± 248	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	9.13	± 2.71	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	994	± 149	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	757	± 135	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.359	± 0.0499	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.413	± 0.060	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	2.03	± 0.53	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1350	± 215	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	3260	± 384	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.099	± 0.016	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.101	± 0.0206	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	39	± 8	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	11.2	± 3.76	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1050	± 190	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0416	± 0.0085	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.81	± 0.25	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	21.5	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0528	± 0.0129	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	1.97	± 0.54	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	80.9	± 13.4	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.36	± 0.11	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-055

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529126
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.7	-	0.50	%	E144/VA	-	24-Jun-2024	1510697
Metals									
Aluminum	7429-90-5	96.0	± 35.1	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.019	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.068	± 0.015	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	123	± 32.8	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	23.5	± 3.8	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0090	± 0.0013	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5710	± 2040	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.143	± 0.056	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.060	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.20	± 0.43	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	108	± 24.7	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.238	± 0.072	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1650	± 246	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	883	± 157	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0194	± 0.0028	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.032	± 0.005	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.58	± 0.16	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1390	± 221	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	4350	± 511	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	21	± 6	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	5.74	± 1.92	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1260	± 220	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0021	± 0.0015	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	2.19	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0037	± 0.0009	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	0.16	± 0.05	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	28.6	± 4.75	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-058

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529028
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	44.4	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	517	± 188	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.258	± 0.022	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.548	± 0.091	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	36.6	± 9.77	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.020	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	7.4	± 1.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.228	± 0.0326	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	7160	± 2560	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	1.31	± 0.488	0.050	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356
Cobalt	7440-48-4	0.338	± 0.056	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	8.70	± 1.17	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	712	± 162	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	9.77	± 2.90	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	842	± 126	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	878	± 156	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.231	± 0.0322	0.0050	mg/kg	E510/VA	28-Jun-2024	04-Aug-2024	1517357
Molybdenum	7439-98-7	0.375	± 0.054	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.92	± 0.50	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1160	± 185	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	2760	± 325	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.102	± 0.016	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0755	± 0.0154	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	30	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	8.24	± 2.76	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1000	± 180	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0233	± 0.0050	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.86	± 0.27	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	17.3	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0379	± 0.0092	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	1.35	± 0.37	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	81.4	± 13.5	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.80 DLM	-	0.80	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-059

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529128
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	47.2	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	63.0	± 23.1	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.023	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	90.1	± 24.1	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	20.7	± 3.3	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0061	± 0.0010	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5410	± 1940	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.077	± 0.031	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.024	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	2.61	± 0.35	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	56.8	± 13.0	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.095	± 0.029	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1550	± 231	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	684	± 122	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0121	± 0.0018	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.025	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.64	± 0.17	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1330	± 211	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	3880	± 457	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	5.57	± 1.86	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1020	± 180	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0280	± 0.0059	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.62	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	<0.0020	-	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	20.8	± 3.47	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-060

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529029
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	42.9	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	440	± 160	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.218	± 0.019	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.461	± 0.077	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	32.8	± 8.76	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.018	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	6.7	± 1.1	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.191	± 0.0273	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	6840	± 2450	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	1.19	± 0.444	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.290	± 0.048	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	7.46	± 1.00	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	607	± 138	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	8.74	± 2.60	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	732	± 110	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	812	± 144	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.259	± 0.0361	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.336	± 0.048	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.77	± 0.46	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1100	± 175	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	2780	± 327	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.081	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0700	± 0.0143	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	28	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	7.82	± 2.62	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	900	± 160	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0202	± 0.0045	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.66	± 0.21	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	14.7	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0322	± 0.0079	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	1.18	± 0.32	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	69.2	± 11.5	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.25	± 0.08	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-061

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529129
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	47.8	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	57.7	± 21.2	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.023	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	99.1	± 26.5	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	20.1	± 3.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	<0.0050	-	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5740	± 2060	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.075	± 0.031	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.023	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	2.54	± 0.34	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	56.0	± 12.8	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.091	± 0.028	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1500	± 224	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	670	± 119	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0124	± 0.0018	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.027	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.66	± 0.18	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1300	± 207	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	3820	± 449	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	5.84	± 1.95	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	960	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0252	± 0.0054	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.08	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	<0.0020	-	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	20.9	± 3.47	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-068

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240529404 -
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	69.0	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-071

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530034
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.4	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	787	± 287	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.066	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.234	± 0.040	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	27.0	± 7.20	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.018	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	4.2	± 0.7	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.266	± 0.0380	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	3620	± 1300	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.615	± 0.230	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.396	± 0.066	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	4.69	± 0.63	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	462	± 105	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	2.08	± 0.618	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	746	± 112	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	479	± 85.3	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.107	± 0.0149	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.142	± 0.021	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.91	± 0.50	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1030	± 164	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	2730	± 322	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.119	± 0.018	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.0706	± 0.0144	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	28	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	5.95	± 1.99	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	950	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0192	± 0.0043	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.38	± 0.12	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	10.9	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0227	± 0.0056	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	0.89	± 0.24	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	43.6	± 7.23	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.25	± 0.08	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-072

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530134
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	31.2	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	84.6	± 30.9	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.024	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	62.3	± 16.6	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	16.0	± 2.6	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0074	± 0.0011	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5500	± 1970	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.068	± 0.029	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.073	± 0.012	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	3.46	± 0.47	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	60.1	± 13.8	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.091	± 0.028	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1520	± 227	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	652	± 116	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0155	± 0.0023	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	<0.020	-	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	0.45	± 0.12	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1470	± 234	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	4000	± 470	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	6.94	± 2.32	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1040	± 180	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0024	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	0.12	± 0.04	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	0.99	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	<0.0020	-	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	20.8	± 3.45	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-073

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530035
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	72.7	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	771	± 281	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.250	± 0.022	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.567	± 0.094	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	59.2	± 15.8	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	0.025	± 0.004	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	7.3	± 1.2	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.909	± 0.130	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5870	± 2100	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	1.36	± 0.507	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.564	± 0.093	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	8.91	± 1.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	710	± 162	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	9.33	± 2.77	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	707	± 106	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	966	± 172	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.359	± 0.0499	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.466	± 0.067	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.99	± 0.52	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1100	± 175	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	2570	± 302	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	0.122	± 0.018	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	0.122	± 0.0249	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	30	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	15.4	± 5.16	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	900	± 160	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0210	± 0.0046	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	1.03	± 0.32	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	19.2	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0428	± 0.0104	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	1.38	± 0.38	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	91.2	± 15.1	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	0.25	± 0.08	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-074

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530135
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.7	-	0.50	%	E144/VA	-	11-Jun-2024	1487910
Metals									
Aluminum	7429-90-5	79.2	± 29.0	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Antimony	7440-36-0	0.011	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Arsenic	7440-38-2	0.047	± 0.012	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Barium	7440-39-3	106	± 28.4	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Boron	7440-42-8	19.4	± 3.1	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cadmium	7440-43-9	0.0180	± 0.0026	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Calcium	7440-70-2	5520	± 1980	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Chromium	7440-47-3	0.094	± 0.038	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Cobalt	7440-48-4	0.098	± 0.016	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Copper	7440-50-8	4.18	± 0.56	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Iron	7439-89-6	71.1	± 16.2	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lead	7439-92-1	0.193	± 0.058	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Magnesium	7439-95-4	1530	± 229	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Manganese	7439-96-5	518	± 92.2	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Mercury	7439-97-6	0.0203	± 0.0029	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517357
Molybdenum	7439-98-7	0.027	± 0.004	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Nickel	7440-02-0	1.51	± 0.40	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Phosphorus	7723-14-0	1570	± 250	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Potassium	7440-09-7	5100	± 600	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517360
Sodium	7440-23-5	<20	-	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Strontium	7440-24-6	9.00	± 3.01	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Sulfur	7704-34-9	1170	± 200	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517359
Thallium	7440-28-0	0.0043	± 0.0018	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Titanium	7440-32-6	1.17	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517358
Uranium	7440-61-1	0.0021	± 0.0006	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zinc	7440-66-6	26.2	± 4.35	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517356

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-075

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530036
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	60.4	-	0.50	%	E144/VA	-	20-Jun-2024	1505421
Metals									
Aluminum	7429-90-5	590	± 215	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.036	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.250	± 0.043	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	113	± 30.3	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	0.028	± 0.004	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	8.4	± 1.4	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.160	± 0.0229	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	7010	± 2510	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.886	± 0.331	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.529	± 0.088	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	3.98	± 0.54	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	748	± 170	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	1.67	± 0.498	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	981	± 147	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	962	± 171	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0780	± 0.0109	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.222	± 0.032	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	1.21	± 0.32	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	1210	± 192	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	3140	± 369	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.082	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0302	± 0.0062	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	68	± 10	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	28.2	± 9.44	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Sulfur	7704-34-9	910	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517393
Thallium	7440-28-0	0.0205	± 0.0045	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.17	± 0.06	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	13.4	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0595	± 0.0145	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	1.53	± 0.42	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	45.6	± 7.57	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.45	± 0.14	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-076

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530136
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	23.5	-	0.50	%	E144/VA	-	20-Jun-2024	1505421
Metals									
Aluminum	7429-90-5	55.8	± 20.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.022	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	101	± 27.0	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	27.5	± 4.4	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0062	± 0.0010	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	5700	± 2040	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.051	± 0.022	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.037	± 0.006	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	3.00	± 0.40	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	59.0	± 13.5	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.039	± 0.013	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	1290	± 193	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	1180	± 210	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0156	± 0.0023	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	<0.020	-	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.40	± 0.11	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	1400	± 222	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	3490	± 410	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	34	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	6.41	± 2.14	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Sulfur	7704-34-9	940	± 170	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517393
Thallium	7440-28-0	0.0147	± 0.0035	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	0.91	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0021	± 0.0005	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	22.1	± 3.68	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-077

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530037
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	78.1	-	0.50	%	E144/VA	-	20-Jun-2024	1505421
Metals									
Aluminum	7429-90-5	634	± 231	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.032	± 0.005	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.208	± 0.036	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	42.6	± 11.4	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	0.020	± 0.003	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	4.4	± 0.8	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.211	± 0.0301	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	4420	± 1580	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.773	± 0.289	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.406	± 0.067	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	3.55	± 0.48	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	644	± 147	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	1.30	± 0.389	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	845	± 126	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	756	± 135	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0800	± 0.0112	0.0057	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.094	± 0.014	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	1.31	± 0.34	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	1090	± 174	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	3590	± 422	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.070	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0398	± 0.0081	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	54	± 9	20	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517390
Strontium	7440-24-6	7.68	± 2.57	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Sulfur	7704-34-9	700	± 140	110	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517393
Thallium	7440-28-0	0.0210	± 0.0046	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.33	± 0.11	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	11.3	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0313	± 0.0076	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	1.23	± 0.34	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	38.0	± 6.31	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.38	± 0.12	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-078

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530137
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	32.7	-	0.50	%	E144/VA	-	20-Jun-2024	1505421
Metals									
Aluminum	7429-90-5	100	± 36.6	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.022	± 0.010	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	95.1	± 25.4	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	22.1	± 3.6	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0086	± 0.0013	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	5750	± 2060	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.152	± 0.059	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.043	± 0.007	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	3.06	± 0.41	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	70.6	± 16.1	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.052	± 0.016	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	1320	± 197	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	1310	± 233	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0108	± 0.0016	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.021	± 0.003	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.42	± 0.11	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	1450	± 230	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	3600	± 423	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	<0.050	-	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	<0.0050	-	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	87	± 12	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	4.50	± 1.51	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Sulfur	7704-34-9	1090	± 190	100	mg/kg	E440.S/VA	28-Jun-2024	02-Jul-2024	1517393
Thallium	7440-28-0	0.0172	± 0.0039	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	1.24	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0026	± 0.0007	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.10	± 0.03	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	22.1	± 3.67	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	<0.20	-	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-081

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240530405 -
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	71.5	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-084

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240527201 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	87.7	± 5.11	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.058 DLHM,	-	0.058	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	51.5 SLMI,	-	0.06	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-085

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240527202 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.4	± 3.24	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	75.5	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-086

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240527203
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.9	± 2.34	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	73.5	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-087

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528204
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	59.5	± 3.47	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	0.018	± 0.010	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	0.018	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	75.0	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-088

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528205
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	23.4	± 1.38	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	76.0	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-089

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528206
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	24.3	± 1.43	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	75.0	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-090

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528207
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	77.8	± 4.53	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	0.119	± 0.064	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.033 DLHM	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	0.119	-	0.033	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	73.0	-	0.03	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-091

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528208
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	56.6	± 3.30	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.017 DLHM	-	0.017	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	73.5	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-092

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528209
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.5	± 3.24	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.016 DLHM	-	0.016	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	76.0	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-093

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529210
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.3	± 4.16	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.024 DLHM	-	0.024	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	67.5	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-094

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240529211
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.4	± 4.05	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.022 DLHM	-	0.022	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	68.0	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-095

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529212
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	21.1	± 1.24	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	82.0	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-096

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529213
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.8	± 4.07	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.025 DLHM	-	0.025	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	81.0	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-097

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529214
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.8	± 3.26	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.015 DLHM	-	0.015	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	73.0	-	0.02	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-098

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529215
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	26.0	± 1.53	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	05-Jun-2024	06-Jun-2024	1476411
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	80.5	-	0.01	%	E685/EO	05-Jun-2024	06-Jun-2024	1476411

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-099

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529216
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	76.4	± 4.45	0.25	%	E144/EO	-	05-Jun-2024	1476534
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.030 DLHM	-	0.030	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	145 DLHM	-	0.03	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-100

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529217
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	75.8	± 4.42	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.024 DLHM	-	0.024	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	106	-	0.02	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-101

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529218
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	42.6	± 2.49	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	73.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-102

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529219
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	36.6	± 2.14	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	68.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-103

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529220
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	53.4	± 3.12	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.012 DLHM	-	0.012	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	76.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-104

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529221
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	38.4	± 2.25	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	72.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-105

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530222
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	73.7	± 4.30	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	0.051	± 0.027	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.027 DLHM	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	0.051	-	0.027	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	135 DLHM	-	0.03	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-106

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530223
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	30.2	± 1.77	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	61.0 SLMI	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-107

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530224
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	24.1	± 1.42	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	65.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-108

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530225
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	65.5	± 3.82	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.016 DLHM	-	0.016	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	62.0 SLMI	-	0.02	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-109

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530226
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	20.7	± 1.22	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	71.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-110

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530227
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	22.1	± 1.30	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	72.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-111

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530228
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	75.2	± 4.38	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.026 DLHM	-	0.026	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	56.0 SLMI	-	0.02	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-112

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530229
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	46.0	± 2.69	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	101	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-113

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530230
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	21.8	± 1.29	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	95.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-114

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530231
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	67.8	± 3.96	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.021 DLHM	-	0.021	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	149 DLHM	-	0.02	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-116

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530233
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	28.7	± 1.69	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	92.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-118

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530235
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	29.3	± 1.72	0.25	%	E144/EO	-	05-Jun-2024	1476535
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1221	11104-28-2	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1232	11141-16-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1242	53469-21-9	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1248	12672-29-6	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1254	11097-69-1	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1260	11096-82-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1262	37324-23-5	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Aroclor 1268	11100-14-4	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated biphenyls [PCBs], total	----	<0.010	-	0.010	mg/kg	E685/EO	06-Jun-2024	07-Jun-2024	1478671
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	86.0	-	0.01	%	E685/EO	06-Jun-2024	07-Jun-2024	1478671

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-120

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527301
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	341	± 124	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.056	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.266	± 0.046	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	5.85	± 1.56	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	11-Jul-2024	1517390
Cadmium	7440-43-9	0.0187	± 0.0027	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	261	± 94	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.650	± 0.243	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.134	± 0.022	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.78	± 0.24	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	386	± 87.8	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.656	± 0.196	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	138	± 20.8	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	36.0	± 6.42	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0519	± 0.0073	0.0078	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.407	± 0.059	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.55	± 0.15	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	289	± 46	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	368	± 44	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.082	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0104	± 0.0021	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	20	± 6	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.14	± 0.382	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0037	± 0.0017	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.98	± 0.30	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	10.6	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0391	± 0.0095	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.73	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	6.67	± 1.12	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.72	± 0.22	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-121

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527302
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	292	± 107	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.054	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.258	± 0.044	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	5.13	± 1.37	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0148	± 0.0022	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	135	± 49	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.664	± 0.248	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.143	± 0.024	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.53	± 0.21	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	343	± 78.0	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.633	± 0.189	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	67.5	± 10.2	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	10.3	± 1.84	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0470	± 0.0066	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.423	± 0.061	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.47	± 0.13	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	256	± 41	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	116	± 15	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.069	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0078	± 0.0016	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	22	± 6	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.765	± 0.256	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0029	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.36	± 0.11	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	9.31	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0354	± 0.0086	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.68	± 0.19	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	4.00	± 0.68	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.62	± 0.19	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-122

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240527303
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	237	± 86.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.056	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.247	± 0.043	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	4.54	± 1.21	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0161	± 0.0023	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	152	± 56	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.602	± 0.226	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.142	± 0.024	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.46	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	309	± 70.4	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.515	± 0.154	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	75.0	± 11.3	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	13.7	± 2.45	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0467	± 0.0066	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.398	± 0.057	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.48	± 0.13	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	290	± 47	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	154	± 19	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.067	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0076	± 0.0016	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	30	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.756	± 0.254	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0025	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	7.78	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0308	± 0.0075	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.54	± 0.15	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	3.67	± 0.63	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.67	± 0.20	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-123

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528304
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	326	± 119	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.059	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.280	± 0.048	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	6.44	± 1.72	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0301	± 0.0043	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	412	± 149	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.676	± 0.253	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.156	± 0.026	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.71	± 0.23	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	369	± 83.9	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.603	± 0.180	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	160	± 24.0	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	44.6	± 7.95	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0630	± 0.0088	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.422	± 0.061	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.61	± 0.16	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	320	± 51	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	333	± 40	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.078	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0105	± 0.0022	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	35	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.22	± 0.411	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0041	± 0.0017	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.20	± 0.06	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	9.74	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0366	± 0.0089	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.73	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	6.68	± 1.12	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.78	± 0.24	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-124

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528305
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	270	± 98.6	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.051	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.261	± 0.045	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	4.58	± 1.23	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0176	± 0.0026	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	162	± 59	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.605	± 0.226	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.121	± 0.020	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.46	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	336	± 76.6	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.555	± 0.166	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	76.4	± 11.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	14.7	± 2.62	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0465	± 0.0065	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.404	± 0.058	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.42	± 0.12	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	274	± 44	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	90	± 12	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.076	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0082	± 0.0017	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	24	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.763	± 0.256	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0034	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.88	± 0.28	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	8.73	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0355	± 0.0086	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.62	± 0.17	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	4.23	± 0.72	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.64	± 0.20	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-125

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528306
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	257	± 93.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.048	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.244	± 0.042	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	4.79	± 1.28	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0153	± 0.0022	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	94	± 34	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.621	± 0.232	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.134	± 0.022	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.49	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	312	± 71.0	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.546	± 0.163	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	63.2	± 9.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	10.1	± 1.81	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0392	± 0.0055	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.556	± 0.080	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.40	± 0.11	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	267	± 43	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	56	± 9	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.060	± 0.012	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0070	± 0.0014	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	29	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.603	± 0.202	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0023	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.16	± 0.05	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	7.94	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0311	± 0.0076	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.56	± 0.15	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	3.71	± 0.64	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.59	± 0.18	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-126

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528307
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	263	± 96.0	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.046	± 0.006	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.243	± 0.042	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	5.34	± 1.43	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0134	± 0.0020	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	181	± 66	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.643	± 0.241	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.120	± 0.020	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.40	± 0.19	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	293	± 66.7	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.518	± 0.155	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	57.1	± 8.6	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	8.09	± 1.44	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0379	± 0.0054	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.358	± 0.052	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.40	± 0.11	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	260	± 42	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	92	± 12	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.062	± 0.012	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0077	± 0.0016	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	27	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.679	± 0.228	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0025	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.22	± 0.07	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	8.21	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0291	± 0.0071	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.58	± 0.16	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	6.39	± 1.08	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.54	± 0.16	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-127

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240528308
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	280	± 102	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.057	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.232	± 0.040	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	6.49	± 1.74	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0244	± 0.0035	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	369	± 133	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.519	± 0.195	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.190	± 0.031	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.90	± 0.26	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	343	± 78.0	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.709	± 0.212	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	115	± 17.2	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	29.1	± 5.18	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0518	± 0.0073	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.474	± 0.068	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.50	± 0.14	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	255	± 41	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	388	± 46	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.070	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0100	± 0.0020	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	57	± 9	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.24	± 0.416	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0033	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.72	± 0.22	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	8.84	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0367	± 0.0090	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.62	± 0.17	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	7.16	± 1.20	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.76	± 0.23	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-128

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529309
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	309	± 112	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.062	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.264	± 0.045	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	5.08	± 1.36	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0153	± 0.0022	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	180	± 65	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.640	± 0.240	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.136	± 0.022	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.70	± 0.23	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	376	± 85.5	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.657	± 0.196	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	84.8	± 12.8	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	18.7	± 3.33	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0558	± 0.0078	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.500	± 0.072	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.48	± 0.13	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	326	± 52	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	755	± 89	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.072	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0097	± 0.0020	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	24	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.828	± 0.278	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0035	± 0.0017	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.52	± 0.16	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	9.82	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0369	± 0.0090	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.70	± 0.19	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	6.27	± 1.06	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.66	± 0.20	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-129

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529310
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	262	± 95.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.096	± 0.010	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.308	± 0.052	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	6.05	± 1.62	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0345	± 0.0050	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	268	± 97	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.673	± 0.252	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.227	± 0.038	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	2.08	± 0.28	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	408	± 93.0	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	1.38	± 0.412	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	105	± 15.8	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	12.9	± 2.30	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0538	± 0.0076	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.452	± 0.065	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.54	± 0.15	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	300	± 48	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	148	± 19	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.078	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0108	± 0.0022	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	47	± 8	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.10	± 0.369	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0034	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.27	± 0.09	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	7.79	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0314	± 0.0077	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.61	± 0.17	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	29.5	± 4.90	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.58	± 0.18	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-130

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529311
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	398	± 145	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.179	± 0.016	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.760	± 0.125	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	11.4	± 3.05	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	0.012	± 0.002	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	1.4	± 0.3	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.113	± 0.0161	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	480	± 173	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	1.22	± 0.456	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.348	± 0.058	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	8.99	± 1.21	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	615	± 140	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	5.44	± 1.62	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	151	± 22.7	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	18.2	± 3.24	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0677	± 0.0095	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.713	± 0.103	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	1.04	± 0.27	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	329	± 53	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	168	± 21	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.097	± 0.016	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0320	± 0.0065	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	109	± 14	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.84	± 0.616	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0173	± 0.0039	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.64	± 0.20	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	14.7	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0446	± 0.0109	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.99	± 0.27	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	53.1	± 8.81	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.88	± 0.26	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-131

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529312
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	287	± 105	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.068	± 0.008	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.342	± 0.058	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	6.26	± 1.67	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0320	± 0.0046	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	240	± 87	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.777	± 0.290	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.206	± 0.034	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	2.37	± 0.32	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	406	± 92.3	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	1.22	± 0.365	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	94.2	± 14.2	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	14.6	± 2.60	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0543	± 0.0076	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.520	± 0.075	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.70	± 0.19	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	282	± 45	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	78	± 11	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.072	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0140	± 0.0029	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	48	± 8	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.19	± 0.400	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0038	± 0.0017	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.29	± 0.09	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	9.52	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0410	± 0.0100	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.70	± 0.19	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	21.6	± 3.59	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.74	± 0.22	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-132

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529313
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	284	± 104	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.064	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.250	± 0.043	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	5.08	± 1.36	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0206	± 0.0030	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	170	± 62	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.596	± 0.223	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.153	± 0.025	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.63	± 0.22	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	395	± 90.0	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.653	± 0.195	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	92.1	± 13.9	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	18.9	± 3.37	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0525	± 0.0074	0.0058	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.404	± 0.058	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.48	± 0.13	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	294	± 47	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	253	± 31	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.075	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0077	± 0.0016	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	41	± 8	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.799	± 0.268	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0031	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.17	± 0.05	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	9.23	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0330	± 0.0080	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.62	± 0.17	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	4.68	± 0.80	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.62	± 0.19	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-133

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529314
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	305	± 111	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.071	± 0.008	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.290	± 0.049	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	6.20	± 1.66	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	1.0	± 0.3	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0250	± 0.0036	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	215	± 78	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.681	± 0.255	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.185	± 0.031	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.87	± 0.25	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	382	± 86.9	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.837	± 0.250	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	108	± 16.3	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	20.0	± 3.56	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0490	± 0.0069	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.432	± 0.062	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.56	± 0.15	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	309	± 50	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	162	± 20	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.076	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0105	± 0.0022	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	67	± 10	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.933	± 0.313	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0034	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.25	± 0.08	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	9.29	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0351	± 0.0086	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.69	± 0.19	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	5.82	± 0.98	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.64	± 0.20	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-134

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529315
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	274	± 100	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.056	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.252	± 0.044	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	5.27	± 1.41	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0251	± 0.0036	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	210	± 76	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.646	± 0.242	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.157	± 0.026	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	1.76	± 0.24	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	356	± 81.1	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.888	± 0.265	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	89.6	± 13.5	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	15.2	± 2.71	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0452	± 0.0064	0.0050	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.415	± 0.060	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.49	± 0.13	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	257	± 41	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	138	± 18	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.070	± 0.013	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0086	± 0.0018	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	27	± 7	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	0.900	± 0.302	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0032	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.69	± 0.22	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	8.46	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0341	± 0.0083	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.62	± 0.17	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	6.06	± 1.02	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.64	± 0.19	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-135

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529316
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	333	± 121	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Antimony	7440-36-0	0.056	± 0.007	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Arsenic	7440-38-2	0.269	± 0.046	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Barium	7440-39-3	6.20	± 1.66	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cadmium	7440-43-9	0.0224	± 0.0032	0.0050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Calcium	7440-70-2	271	± 98	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Chromium	7440-47-3	0.813	± 0.304	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Cobalt	7440-48-4	0.140	± 0.023	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Copper	7440-50-8	2.34	± 0.32	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Iron	7439-89-6	412	± 93.7	3.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lead	7439-92-1	0.857	± 0.256	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Magnesium	7439-95-4	81.8	± 12.3	2.0	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Manganese	7439-96-5	11.5	± 2.05	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Mercury	7439-97-6	0.0497	± 0.0070	0.0058	mg/kg	E510/VA	28-Jun-2024	28-Jun-2024	1517391
Molybdenum	7439-98-7	0.471	± 0.068	0.020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Nickel	7440-02-0	0.60	± 0.16	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Phosphorus	7723-14-0	220	± 36	10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Potassium	7440-09-7	162	± 20	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Selenium	7782-49-2	0.083	± 0.014	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Silver	7440-22-4	0.0097	± 0.0020	0.0050	mg/kg	E440.Ag/VA	28-Jun-2024	02-Jul-2024	1517394
Sodium	7440-23-5	22	± 6	20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Strontium	7440-24-6	1.14	± 0.381	0.050	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Thallium	7440-28-0	0.0033	± 0.0016	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Tin	7440-31-5	0.28	± 0.09	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Titanium	7440-32-6	10.1	-	0.25	mg/kg	E440.Ti/VA	28-Jun-2024	02-Jul-2024	1517392
Uranium	7440-61-1	0.0464	± 0.0113	0.0020	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Vanadium	7440-62-2	0.76	± 0.21	0.10	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zinc	7440-66-6	9.01	± 1.51	0.50	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390
Zirconium	7440-67-7	0.78	± 0.24	0.20	mg/kg	E440/VA	28-Jun-2024	02-Jul-2024	1517390

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-136

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529317
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	284	± 104	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Antimony	7440-36-0	0.055	± 0.007	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Arsenic	7440-38-2	0.236	± 0.041	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Barium	7440-39-3	6.38	± 1.70	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cadmium	7440-43-9	0.0311	± 0.0045	0.0050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Calcium	7440-70-2	407	± 147	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Chromium	7440-47-3	0.560	± 0.210	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cobalt	7440-48-4	0.161	± 0.027	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Copper	7440-50-8	1.68	± 0.23	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Iron	7439-89-6	361	± 82.3	3.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lead	7439-92-1	0.757	± 0.226	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Magnesium	7439-95-4	129	± 19.4	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Manganese	7439-96-5	37.9	± 6.76	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Mercury	7439-97-6	0.0536	± 0.0075	0.0065	mg/kg	E510/VA	05-Jul-2024	06-Jul-2024	1527874
Molybdenum	7439-98-7	0.371	± 0.054	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Nickel	7440-02-0	0.53	± 0.14	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Phosphorus	7723-14-0	272	± 44	10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Potassium	7440-09-7	334	± 40	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Selenium	7782-49-2	0.081	± 0.014	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Silver	7440-22-4	0.0089	± 0.0018	0.0050	mg/kg	E440.Ag/VA	05-Jul-2024	05-Jul-2024	1527876
Sodium	7440-23-5	22	± 6	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Strontium	7440-24-6	1.32	± 0.444	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Thallium	7440-28-0	0.0040	± 0.0017	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Tin	7440-31-5	0.16	± 0.05	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Titanium	7440-32-6	9.77	-	0.25	mg/kg	E440.Ti/VA	05-Jul-2024	05-Jul-2024	1527875
Uranium	7440-61-1	0.0372	± 0.0091	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Vanadium	7440-62-2	0.64	± 0.18	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zinc	7440-66-6	6.98	± 1.17	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zirconium	7440-67-7	0.74	± 0.22	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-137

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240529318
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	244	± 88.8	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Antimony	7440-36-0	0.051	± 0.006	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Arsenic	7440-38-2	0.244	± 0.042	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Barium	7440-39-3	7.50	± 2.00	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cadmium	7440-43-9	0.0206	± 0.0030	0.0050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Calcium	7440-70-2	326	± 117	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Chromium	7440-47-3	0.554	± 0.208	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cobalt	7440-48-4	0.157	± 0.026	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Copper	7440-50-8	1.64	± 0.22	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Iron	7439-89-6	330	± 75.2	3.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lead	7439-92-1	0.714	± 0.213	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Magnesium	7439-95-4	81.4	± 12.2	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Manganese	7439-96-5	21.6	± 3.85	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Mercury	7439-97-6	0.0495	± 0.0070	0.0050	mg/kg	E510/VA	05-Jul-2024	06-Jul-2024	1527874
Molybdenum	7439-98-7	0.440	± 0.064	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Nickel	7440-02-0	0.44	± 0.12	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Phosphorus	7723-14-0	288	± 46	10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Potassium	7440-09-7	114	± 15	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Selenium	7782-49-2	0.074	± 0.014	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Silver	7440-22-4	0.0083	± 0.0017	0.0050	mg/kg	E440.Ag/VA	05-Jul-2024	05-Jul-2024	1527876
Sodium	7440-23-5	61	± 9	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Strontium	7440-24-6	1.36	± 0.456	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Thallium	7440-28-0	0.0028	± 0.0016	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Tin	7440-31-5	<0.10	-	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Titanium	7440-32-6	8.70	-	0.25	mg/kg	E440.Ti/VA	05-Jul-2024	05-Jul-2024	1527875
Uranium	7440-61-1	0.0332	± 0.0081	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Vanadium	7440-62-2	0.56	± 0.15	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zinc	7440-66-6	5.71	± 0.96	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zirconium	7440-67-7	0.68	± 0.21	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-138

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530319
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	274	± 99.7	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Antimony	7440-36-0	0.045	± 0.006	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Arsenic	7440-38-2	0.270	± 0.046	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Barium	7440-39-3	3.89	± 1.04	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cadmium	7440-43-9	0.0130	± 0.0019	0.0050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Calcium	7440-70-2	53	± 20	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Chromium	7440-47-3	0.688	± 0.257	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cobalt	7440-48-4	0.123	± 0.020	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Copper	7440-50-8	1.38	± 0.19	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Iron	7439-89-6	313	± 71.2	3.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lead	7439-92-1	0.559	± 0.167	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Magnesium	7439-95-4	55.8	± 8.4	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Manganese	7439-96-5	7.20	± 1.29	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Mercury	7439-97-6	0.0354	± 0.0050	0.0050	mg/kg	E510/VA	05-Jul-2024	06-Jul-2024	1527874
Molybdenum	7439-98-7	0.376	± 0.054	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Nickel	7440-02-0	0.43	± 0.12	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Phosphorus	7723-14-0	390	± 62	10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Potassium	7440-09-7	42	± 7	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Selenium	7782-49-2	0.073	± 0.013	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Silver	7440-22-4	0.0062	± 0.0013	0.0050	mg/kg	E440.Ag/VA	05-Jul-2024	05-Jul-2024	1527876
Sodium	7440-23-5	25	± 7	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Strontium	7440-24-6	0.503	± 0.169	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Thallium	7440-28-0	0.0026	± 0.0016	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Tin	7440-31-5	0.39	± 0.12	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Titanium	7440-32-6	8.82	-	0.25	mg/kg	E440.Ti/VA	05-Jul-2024	05-Jul-2024	1527875
Uranium	7440-61-1	0.0340	± 0.0083	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Vanadium	7440-62-2	0.60	± 0.16	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zinc	7440-66-6	3.87	± 0.66	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zirconium	7440-67-7	0.57	± 0.17	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-139

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530320
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	295	± 107	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Antimony	7440-36-0	0.047	± 0.006	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Arsenic	7440-38-2	0.285	± 0.049	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Barium	7440-39-3	3.97	± 1.06	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cadmium	7440-43-9	0.0138	± 0.0020	0.0050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Calcium	7440-70-2	50	± 19	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Chromium	7440-47-3	0.744	± 0.278	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cobalt	7440-48-4	0.126	± 0.021	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Copper	7440-50-8	1.46	± 0.20	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Iron	7439-89-6	331	± 75.4	3.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lead	7439-92-1	0.549	± 0.164	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Magnesium	7439-95-4	61.1	± 9.2	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Manganese	7439-96-5	7.81	± 1.40	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Mercury	7439-97-6	0.0350	± 0.0050	0.0050	mg/kg	E510/VA	05-Jul-2024	06-Jul-2024	1527874
Molybdenum	7439-98-7	0.407	± 0.059	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Nickel	7440-02-0	0.46	± 0.13	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Phosphorus	7723-14-0	422	± 68	10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Potassium	7440-09-7	47	± 8	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Selenium	7782-49-2	0.077	± 0.014	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Silver	7440-22-4	0.0081	± 0.0017	0.0050	mg/kg	E440.Ag/VA	05-Jul-2024	05-Jul-2024	1527876
Sodium	7440-23-5	29	± 7	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Strontium	7440-24-6	0.519	± 0.174	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Thallium	7440-28-0	0.0026	± 0.0016	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Tin	7440-31-5	0.23	± 0.07	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Titanium	7440-32-6	9.56	-	0.25	mg/kg	E440.Ti/VA	05-Jul-2024	05-Jul-2024	1527875
Uranium	7440-61-1	0.0354	± 0.0086	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Vanadium	7440-62-2	0.65	± 0.18	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zinc	7440-66-6	4.01	± 0.69	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zirconium	7440-67-7	0.63	± 0.19	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-140

Sub-Matrix: **Biota**
(Matrix: **Biota**)

Client sample ID: 15867240530321
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Metals									
Aluminum	7429-90-5	295	± 107	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Antimony	7440-36-0	0.053	± 0.007	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Arsenic	7440-38-2	0.295	± 0.050	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Barium	7440-39-3	4.20	± 1.12	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Beryllium	7440-41-7	<0.010	-	0.010	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Boron	7440-42-8	<1.0	-	1.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cadmium	7440-43-9	0.0146	± 0.0021	0.0050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Calcium	7440-70-2	56	± 21	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Chromium	7440-47-3	0.777	± 0.290	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Cobalt	7440-48-4	0.138	± 0.023	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Copper	7440-50-8	1.45	± 0.20	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Iron	7439-89-6	354	± 80.5	3.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lead	7439-92-1	0.577	± 0.172	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Lithium	7439-93-2	<0.50	-	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Magnesium	7439-95-4	60.3	± 9.1	2.0	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Manganese	7439-96-5	7.40	± 1.32	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Mercury	7439-97-6	0.0372	± 0.0052	0.0050	mg/kg	E510/VA	05-Jul-2024	06-Jul-2024	1527874
Molybdenum	7439-98-7	0.423	± 0.061	0.020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Nickel	7440-02-0	0.46	± 0.13	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Phosphorus	7723-14-0	434	± 70	10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Potassium	7440-09-7	41	± 7	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Selenium	7782-49-2	0.080	± 0.014	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Silver	7440-22-4	0.0071	± 0.0014	0.0050	mg/kg	E440.Ag/VA	05-Jul-2024	05-Jul-2024	1527876
Sodium	7440-23-5	28	± 7	20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Strontium	7440-24-6	0.542	± 0.182	0.050	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Thallium	7440-28-0	0.0028	± 0.0016	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Tin	7440-31-5	0.26	± 0.08	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Titanium	7440-32-6	9.41	-	0.25	mg/kg	E440.Ti/VA	05-Jul-2024	05-Jul-2024	1527875
Uranium	7440-61-1	0.0384	± 0.0094	0.0020	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Vanadium	7440-62-2	0.67	± 0.18	0.10	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zinc	7440-66-6	4.25	± 0.72	0.50	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873
Zirconium	7440-67-7	0.64	± 0.19	0.20	mg/kg	E440/VA	05-Jul-2024	05-Jul-2024	1527873

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-141

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240527001 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.65	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1160	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	150	± 23	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-142

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240527002
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.58	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1110	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	208	± 30	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-143

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240528007
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.72	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1020	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	267	± 37	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-144

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240528017
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.92	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1160	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	184	± 27	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-145

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529024
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.64	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	948	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	181	± 27	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-146

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240529026
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.67	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1300	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	146	± 22	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-147

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240529028
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	5.00	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1030	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	261	± 36	20	µS/cm	E102/VA	21-Jun-2024	23-Jul-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-148

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240529029
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.47	-	0.10	pH units	E114/VA	21-Jun-2024	26-Jul-2024	1505340
% Saturation	----	1180	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	156	± 23	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-149

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240530034
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.27	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1090	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	181	± 26	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-150

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240530035
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	5.03	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	960	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	227	± 32	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-151

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240530036
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.68	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1020	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	188	± 27	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-152

Sub-Matrix: **Soil**
(Matrix: **Soil/Solid)**

Client sample ID: 15867240530037
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
pH, saturated paste	----	4.50	-	0.10	pH units	E114/VA	21-Jun-2024	21-Jun-2024	1505340
% Saturation	----	1150	-	1.0	%	E141/VA	21-Jun-2024	21-Jun-2024	1505341
Saturated Paste Extractables									
Conductivity, saturated paste	----	171	± 25	20	µS/cm	E102/VA	21-Jun-2024	24-Jun-2024	1505339

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-153

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240527001 -
Client sampling date / time: 27-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	74.3	± 4.33	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.029 DLHM,	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	61.5 SLMI,	-	0.03	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-155

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528007
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	73.1	± 4.26	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.027 DLHM	-	0.027	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	72.0	-	0.03	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-156

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240528017
Client sampling date / time: 28-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.5	± 4.11	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.025 DLHM,	-	0.025	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	44.5 SLMI,	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-157

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529024
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	66.0	± 3.85	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.021 DLHM,	-	0.021	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	56.5 SLMI,	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-158

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529026
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	53.1	± 3.10	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	0.128	± 0.054	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	0.283	± 0.153	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.016 DLHM	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	0.411	-	0.016	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	67.5	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-159

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529028
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	68.4	± 3.99	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	0.098	± 0.041	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	0.262	± 0.141	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.023 DLHM	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	0.360	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	87.0	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-160

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240529029
Client sampling date / time: 29-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	65.8	± 3.84	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	0.083	± 0.035	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	0.220	± 0.119	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	0.303	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	50.5 SLMI,	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-162

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530034
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	67.9	± 3.96	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.023 DLHM,	-	0.023	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	50.0 SLMI,	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-163

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530035
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	76.0	± 4.43	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	0.053	± 0.029	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.030 DLHM,	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	0.053	-	0.030	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	41.0 SLMI,	-	0.03	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-164

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530036
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	63.8	± 3.72	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.018 DLHM,	-	0.018	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	35.5 SLMI,	-	0.02	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

EO2404138-165

Sub-Matrix: **Solid**
(Matrix: **Soil/Solid**)

Client sample ID: 15867240530037
Client sampling date / time: 30-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	75.6	± 4.40	0.25	%	E144/EO	-	07-Jun-2024	1481259
Polychlorinated Biphenyls									
Aroclor 1016	12674-11-2	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1221	11104-28-2	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1232	11141-16-5	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1242	53469-21-9	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1248	12672-29-6	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1254	11097-69-1	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1260	11096-82-5	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1262	37324-23-5	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Aroclor 1268	11100-14-4	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated biphenyls [PCBs], total	----	<0.029 DLHM	-	0.029	mg/kg	E685/EO	07-Jun-2024	07-Jun-2024	1481066
Polychlorinated Biphenyls Surrogates									
Decachlorobiphenyl	2051-24-3	42.5 SLMI	-	0.03	%	E685/EO	07-Jun-2024	07-Jun-2024	1481066

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **EO2404138**	Page	: 1 of 20
Amendment	: **2**		
Client	: Matrix Solutions Inc.	Laboratory	: ALS Environmental - Edmonton
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 780 989 8347	Telephone	: +1 780 413 5227
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 12:38
PO	: 065460	Date Analysis Commenced	: 05-Jun-2024
C-O-C number	: 120251,54,55,117776,106148,120253,117778,117779,120252,112100	Issue Date	: 06-Aug-2024 15:03
Sampler	: LO/MW		
Site	: Swan Hills Treatment Centre		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 163		
No. of samples analysed	: 105		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Matrix Spike (MS) Report; Recovery and Data Quality Objectives
- Reference Material (RM) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Alex Thornton	Analyst	Vancouver Metals, Burnaby, British Columbia
Ann Ho	Laboratory Analyst	Vancouver Organics, Burnaby, British Columbia
Dan Gebert	Laboratory Analyst	Vancouver Metals, Burnaby, British Columbia
Geoff Berg	Lab Analyst	Edmonton Organics, Edmonton, Alberta
Ilnaz Badbezanchi	Supervisor - Metals Prep & Mercury	Vancouver Metals, Burnaby, British Columbia
Janice Leung	Supervisor - Organics Instrumentation	Vancouver Organics, Burnaby, British Columbia
Kevin Duarte	Supervisor - Metals ICP Instrumentation	Vancouver Metals, Burnaby, British Columbia
Monica Ko	Lab Assistant	Vancouver Inorganics, Burnaby, British Columbia
Owen Cheng		Vancouver Metals, Burnaby, British Columbia
Tracy Harley	Supervisor - Water Quality Instrumentation	Vancouver Inorganics, Burnaby, British Columbia
Yan Zhang	Team Leader - Organics	Edmonton Organics, Edmonton, Alberta

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 1487910)											
EO2404138-001	15867240527001	Moisture	----	E144	0.50	%	73.6	72.2	1.79%	20%	----
Physical Tests (QC Lot: 1505421)											
EO2404138-078	15867240530137	Moisture	----	E144	0.50	%	32.7	31.7	3.24%	20%	----
Physical Tests (QC Lot: 1510697)											
EO2404138-055	15867240529126	Moisture	----	E144	0.50	%	34.7	33.1	4.80%	20%	----
Metals (QC Lot: 1517356)											
EO2404138-059	15867240529128	Aluminum	7429-90-5	E440	2.0	mg/kg	63.0	62.6	0.598%	40%	----
		Antimony	7440-36-0	E440	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Arsenic	7440-38-2	E440	0.020	mg/kg	0.023	0.024	0.0003	Diff <2x LOR	----
		Barium	7440-39-3	E440	0.050	mg/kg	90.1	90.8	0.749%	40%	----
		Beryllium	7440-41-7	E440	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Boron	7440-42-8	E440	1.0	mg/kg	20.7	20.8	0.444%	40%	----
		Cadmium	7440-43-9	E440	0.0050	mg/kg	0.0061	0.0059	0.0002	Diff <2x LOR	----
		Calcium	7440-70-2	E440	20	mg/kg	5410	5550	2.52%	60%	----
		Chromium	7440-47-3	E440	0.050	mg/kg	0.077	0.101	0.024	Diff <2x LOR	----
		Cobalt	7440-48-4	E440	0.020	mg/kg	0.024	0.027	0.003	Diff <2x LOR	----
		Copper	7440-50-8	E440	0.10	mg/kg	2.61	2.66	2.17%	40%	----
		Iron	7439-89-6	E440	3.0	mg/kg	56.8	58.1	2.20%	40%	----
		Lead	7439-92-1	E440	0.020	mg/kg	0.095	0.102	0.007	Diff <2x LOR	----
		Lithium	7439-93-2	E440	0.50	mg/kg	<0.50	<0.50	0	Diff <2x LOR	----
		Magnesium	7439-95-4	E440	2.0	mg/kg	1550	1490	3.75%	40%	----
		Manganese	7439-96-5	E440	0.050	mg/kg	684	675	1.39%	40%	----
		Molybdenum	7439-98-7	E440	0.020	mg/kg	0.025	0.027	0.002	Diff <2x LOR	----
		Nickel	7440-02-0	E440	0.20	mg/kg	0.64	0.67	0.03	Diff <2x LOR	----
		Phosphorus	7723-14-0	E440	10	mg/kg	1330	1320	0.526%	40%	----
		Potassium	7440-09-7	E440	20	mg/kg	3880	3810	2.03%	40%	----
		Selenium	7782-49-2	E440	0.050	mg/kg	<0.050	<0.050	0	Diff <2x LOR	----
		Sodium	7440-23-5	E440	20	mg/kg	<20	<20	0	Diff <2x LOR	----
		Strontium	7440-24-6	E440	0.050	mg/kg	5.57	5.79	3.86%	60%	----
		Thallium	7440-28-0	E440	0.0020	mg/kg	0.0280	0.0294	4.79%	40%	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Metals (QC Lot: 1517356) - continued											
EO2404138-059	15867240529128	Tin	7440-31-5	E440	0.10	mg/kg	<0.10	<0.10	0	Diff <2x LOR	----
		Uranium	7440-61-1	E440	0.0020	mg/kg	<0.0020	0.0021	0.00010	Diff <2x LOR	----
		Vanadium	7440-62-2	E440	0.10	mg/kg	<0.10	<0.10	0	Diff <2x LOR	----
		Zinc	7440-66-6	E440	0.50	mg/kg	20.8	19.4	7.05%	40%	----
		Zirconium	7440-67-7	E440	0.20	mg/kg	<0.20	<0.20	0	Diff <2x LOR	----
Metals (QC Lot: 1517357)											
EO2404138-059	15867240529128	Mercury	7439-97-6	E510	0.0050	mg/kg	0.0121	0.0117	0.0004	Diff <2x LOR	----
Metals (QC Lot: 1517358)											
EO2404138-059	15867240529128	Titanium	7440-32-6	E440.Ti	0.25	mg/kg	1.62	1.25	25.8%	40%	----
Metals (QC Lot: 1517359)											
EO2404138-059	15867240529128	Sulfur	7704-34-9	E440.S	100	mg/kg	1020	960	5.58%	40%	----
Metals (QC Lot: 1517360)											
EO2404138-059	15867240529128	Silver	7440-22-4	E440.Ag	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
Metals (QC Lot: 1517390)											
EO2404138-075	15867240530036	Aluminum	7429-90-5	E440	2.0	mg/kg	590	572	3.13%	40%	----
		Antimony	7440-36-0	E440	0.010	mg/kg	0.036	0.036	0.0007	Diff <2x LOR	----
		Arsenic	7440-38-2	E440	0.020	mg/kg	0.250	0.275	9.84%	40%	----
		Barium	7440-39-3	E440	0.050	mg/kg	113	118	3.61%	40%	----
		Beryllium	7440-41-7	E440	0.010	mg/kg	0.028	0.027	0.0008	Diff <2x LOR	----
		Boron	7440-42-8	E440	1.0	mg/kg	8.4	8.0	4.78%	40%	----
		Cadmium	7440-43-9	E440	0.0050	mg/kg	0.160	0.164	2.13%	40%	----
		Calcium	7440-70-2	E440	20	mg/kg	7010	7150	1.92%	60%	----
		Chromium	7440-47-3	E440	0.050	mg/kg	0.886	0.864	2.47%	40%	----
		Cobalt	7440-48-4	E440	0.020	mg/kg	0.529	0.545	3.01%	40%	----
		Copper	7440-50-8	E440	0.10	mg/kg	3.98	3.77	5.39%	40%	----
		Iron	7439-89-6	E440	3.0	mg/kg	748	767	2.53%	40%	----
		Lead	7439-92-1	E440	0.020	mg/kg	1.67	1.72	2.58%	40%	----
		Lithium	7439-93-2	E440	0.50	mg/kg	<0.50	<0.50	0	Diff <2x LOR	----
		Magnesium	7439-95-4	E440	2.0	mg/kg	981	1010	2.94%	40%	----
		Manganese	7439-96-5	E440	0.050	mg/kg	962	1010	4.71%	40%	----
		Molybdenum	7439-98-7	E440	0.020	mg/kg	0.222	0.242	8.77%	40%	----
		Nickel	7440-02-0	E440	0.20	mg/kg	1.21	1.26	3.97%	40%	----
		Phosphorus	7723-14-0	E440	10	mg/kg	1210	1250	3.19%	40%	----
		Potassium	7440-09-7	E440	20	mg/kg	3140	3320	5.84%	40%	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Metals (QC Lot: 1517390) - continued											
EO2404138-075	15867240530036	Selenium	7782-49-2	E440	0.050	mg/kg	0.082	0.078	0.004	Diff <2x LOR	----
		Sodium	7440-23-5	E440	20	mg/kg	68	69	0.7	Diff <2x LOR	----
		Strontium	7440-24-6	E440	0.050	mg/kg	28.2	29.2	3.33%	60%	----
		Thallium	7440-28-0	E440	0.0020	mg/kg	0.0205	0.0203	0.628%	40%	----
		Tin	7440-31-5	E440	0.10	mg/kg	0.17	0.19	0.02	Diff <2x LOR	----
		Uranium	7440-61-1	E440	0.0020	mg/kg	0.0595	0.0604	1.52%	40%	----
		Vanadium	7440-62-2	E440	0.10	mg/kg	1.53	1.50	1.75%	40%	----
		Zinc	7440-66-6	E440	0.50	mg/kg	45.6	44.2	3.26%	40%	----
		Zirconium	7440-67-7	E440	0.20	mg/kg	0.45	0.52	0.07	Diff <2x LOR	----
Metals (QC Lot: 1517391)											
EO2404138-075	15867240530036	Mercury	7439-97-6	E510	0.0050	mg/kg	0.0780	0.0777	0.484%	40%	----
Metals (QC Lot: 1517392)											
EO2404138-075	15867240530036	Titanium	7440-32-6	E440.Ti	0.25	mg/kg	13.4	13.4	0.647%	40%	----
Metals (QC Lot: 1517393)											
EO2404138-075	15867240530036	Sulfur	7704-34-9	E440.S	100	mg/kg	910	960	4.88%	40%	----
Metals (QC Lot: 1517394)											
EO2404138-075	15867240530036	Silver	7440-22-4	E440.Ag	0.0050	mg/kg	0.0302	0.0286	5.54%	40%	----
Metals (QC Lot: 1527873)											
EO2404138-136	15867240529317	Aluminum	7429-90-5	E440	2.0	mg/kg	284	304	6.65%	40%	----
		Antimony	7440-36-0	E440	0.010	mg/kg	0.055	0.053	2.98%	40%	----
		Arsenic	7440-38-2	E440	0.020	mg/kg	0.236	0.240	1.62%	40%	----
		Barium	7440-39-3	E440	0.050	mg/kg	6.38	6.53	2.38%	40%	----
		Beryllium	7440-41-7	E440	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Boron	7440-42-8	E440	1.0	mg/kg	<1.0	<1.0	0	Diff <2x LOR	----
		Cadmium	7440-43-9	E440	0.0050	mg/kg	0.0311	0.0294	5.74%	40%	----
		Calcium	7440-70-2	E440	20	mg/kg	407	411	0.973%	60%	----
		Chromium	7440-47-3	E440	0.050	mg/kg	0.560	0.567	1.29%	40%	----
		Cobalt	7440-48-4	E440	0.020	mg/kg	0.161	0.162	0.351%	40%	----
		Copper	7440-50-8	E440	0.10	mg/kg	1.68	1.70	0.987%	40%	----
		Iron	7439-89-6	E440	3.0	mg/kg	361	366	1.32%	40%	----
		Lead	7439-92-1	E440	0.020	mg/kg	0.757	0.720	4.98%	40%	----
		Lithium	7439-93-2	E440	0.50	mg/kg	<0.50	<0.50	0	Diff <2x LOR	----
		Magnesium	7439-95-4	E440	2.0	mg/kg	129	131	1.69%	40%	----
		Manganese	7439-96-5	E440	0.050	mg/kg	37.9	39.2	3.15%	40%	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Metals (QC Lot: 1527873) - continued											
EO2404138-136	15867240529317	Molybdenum	7439-98-7	E440	0.020	mg/kg	0.371	0.363	2.21%	40%	----
		Nickel	7440-02-0	E440	0.20	mg/kg	0.53	0.54	0.005	Diff <2x LOR	----
		Phosphorus	7723-14-0	E440	10	mg/kg	272	270	0.612%	40%	----
		Potassium	7440-09-7	E440	20	mg/kg	334	333	0.263%	40%	----
		Selenium	7782-49-2	E440	0.050	mg/kg	0.081	0.083	0.002	Diff <2x LOR	----
		Sodium	7440-23-5	E440	20	mg/kg	22	24	1	Diff <2x LOR	----
		Strontium	7440-24-6	E440	0.050	mg/kg	1.32	1.34	1.38%	60%	----
		Thallium	7440-28-0	E440	0.0020	mg/kg	0.0040	0.0040	0.00004	Diff <2x LOR	----
		Tin	7440-31-5	E440	0.10	mg/kg	0.16	0.15	0.010	Diff <2x LOR	----
		Uranium	7440-61-1	E440	0.0020	mg/kg	0.0372	0.0342	8.34%	40%	----
		Vanadium	7440-62-2	E440	0.10	mg/kg	0.64	0.70	7.96%	40%	----
		Zinc	7440-66-6	E440	0.50	mg/kg	6.98	7.00	0.328%	40%	----
		Zirconium	7440-67-7	E440	0.20	mg/kg	0.74	0.62	0.12	Diff <2x LOR	----
Metals (QC Lot: 1527874)											
EO2404138-136	15867240529317	Mercury	7439-97-6	E510	0.0065	mg/kg	0.0536	0.0526	1.83%	40%	----
Metals (QC Lot: 1527875)											
EO2404138-136	15867240529317	Titanium	7440-32-6	E440.Ti	0.25	mg/kg	9.77	9.79	0.244%	40%	----
Metals (QC Lot: 1527876)											
EO2404138-136	15867240529317	Silver	7440-22-4	E440.Ag	0.0050	mg/kg	0.0089	0.0088	0.0001	Diff <2x LOR	----

Sub-Matrix: **Soil/Solid**

							Laboratory Duplicate (DUP) Report				
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Physical Tests (QC Lot: 1476534)											
EO2404138-013	15867240527401	Moisture	----	E144	0.25	%	0.35	0.29	0.06	Diff <2x LOR	----
Physical Tests (QC Lot: 1476535)											
EO2404138-100	15867240529217	Moisture	----	E144	0.25	%	75.8	76.9	1.38%	20%	----
Physical Tests (QC Lot: 1481259)											
EO2404138-153	15867240527001	Moisture	----	E144	0.25	%	74.3	76.4	2.79%	20%	----
Saturated Paste Extractables (QC Lot: 1505339)											
EO2404138-141	15867240527001	Conductivity, saturated paste	----	E102	20	µS/cm	150	171	21	Diff <2x LOR	----
Saturated Paste Extractables (QC Lot: 1505340)											
EO2404138-141	15867240527001	pH, saturated paste	----	E114	0.10	pH units	4.65	4.54	2.39%	5%	----
Saturated Paste Extractables (QC Lot: 1505341)											
EO2404138-141	15867240527001	% Saturation	----	E141	1.0	%	1160	1250	6.88%	20%	----

Sub-Matrix: **Soil/Solid**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1476411)											
EO2404138-013	15867240527401	Aroclor 1016	12674-11-2	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1221	11104-28-2	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1232	11141-16-5	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1242	53469-21-9	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1248	12672-29-6	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1254	11097-69-1	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1260	11096-82-5	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1262	37324-23-5	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1268	11100-14-4	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
Polychlorinated Biphenyls (QC Lot: 1478671)											
EO2404138-099	15867240529216	Aroclor 1016	12674-11-2	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1221	11104-28-2	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1232	11141-16-5	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1242	53469-21-9	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1248	12672-29-6	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1254	11097-69-1	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1260	11096-82-5	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1262	37324-23-5	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
		Aroclor 1268	11100-14-4	E685	0.028	mg/kg	<0.030	<0.028	0.002	Diff <2x LOR	----
Polychlorinated Biphenyls (QC Lot: 1481066)											
CG2407387-001	Anonymous	Aroclor 1016	12674-11-2	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1221	11104-28-2	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1232	11141-16-5	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1242	53469-21-9	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1248	12672-29-6	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1254	11097-69-1	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1260	11096-82-5	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1262	37324-23-5	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Aroclor 1268	11100-14-4	E685	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1487910)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1505421)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1510697)						
Moisture	----	E144	0.5	%	<0.50	----
Metals (QCLot: 1517356)						
Aluminum	7429-90-5	E440	2	mg/kg	<2.0	----
Antimony	7440-36-0	E440	0.01	mg/kg	<0.010	----
Arsenic	7440-38-2	E440	0.02	mg/kg	<0.020	----
Barium	7440-39-3	E440	0.05	mg/kg	<0.050	----
Beryllium	7440-41-7	E440	0.01	mg/kg	<0.010	----
Boron	7440-42-8	E440	1	mg/kg	<1.0	----
Cadmium	7440-43-9	E440	0.005	mg/kg	<0.0050	----
Calcium	7440-70-2	E440	20	mg/kg	<20	----
Chromium	7440-47-3	E440	0.05	mg/kg	<0.050	----
Cobalt	7440-48-4	E440	0.02	mg/kg	<0.020	----
Copper	7440-50-8	E440	0.1	mg/kg	<0.10	----
Iron	7439-89-6	E440	3	mg/kg	<3.0	----
Lead	7439-92-1	E440	0.02	mg/kg	<0.020	----
Lithium	7439-93-2	E440	0.5	mg/kg	<0.50	----
Magnesium	7439-95-4	E440	2	mg/kg	<2.0	----
Manganese	7439-96-5	E440	0.05	mg/kg	<0.050	----
Molybdenum	7439-98-7	E440	0.02	mg/kg	<0.020	----
Nickel	7440-02-0	E440	0.2	mg/kg	<0.20	----
Phosphorus	7723-14-0	E440	10	mg/kg	<10	----
Potassium	7440-09-7	E440	20	mg/kg	<20	----
Selenium	7782-49-2	E440	0.05	mg/kg	<0.050	----
Sodium	7440-23-5	E440	20	mg/kg	<20	----
Strontium	7440-24-6	E440	0.05	mg/kg	<0.050	----
Thallium	7440-28-0	E440	0.002	mg/kg	<0.0020	----
Tin	7440-31-5	E440	0.1	mg/kg	<0.10	----
Uranium	7440-61-1	E440	0.002	mg/kg	<0.0020	----

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Metals (QCLot: 1517356) - continued						
Vanadium	7440-62-2	E440	0.1	mg/kg	<0.10	----
Zinc	7440-66-6	E440	0.5	mg/kg	<0.50	----
Zirconium	7440-67-7	E440	0.2	mg/kg	<0.20	----
Metals (QCLot: 1517357)						
Mercury	7439-97-6	E510	0.005	mg/kg	<0.0050	----
Metals (QCLot: 1517358)						
Titanium	7440-32-6	E440.Ti	0.25	mg/kg	<0.25	----
Metals (QCLot: 1517359)						
Sulfur	7704-34-9	E440.S	100	mg/kg	<100	----
Metals (QCLot: 1517360)						
Silver	7440-22-4	E440.Ag	0.005	mg/kg	<0.0050	----
Metals (QCLot: 1517390)						
Aluminum	7429-90-5	E440	2	mg/kg	<2.0	----
Antimony	7440-36-0	E440	0.01	mg/kg	<0.010	----
Arsenic	7440-38-2	E440	0.02	mg/kg	<0.020	----
Barium	7440-39-3	E440	0.05	mg/kg	<0.050	----
Beryllium	7440-41-7	E440	0.01	mg/kg	<0.010	----
Boron	7440-42-8	E440	1	mg/kg	<1.0	----
Cadmium	7440-43-9	E440	0.005	mg/kg	<0.0050	----
Calcium	7440-70-2	E440	20	mg/kg	<20	----
Chromium	7440-47-3	E440	0.05	mg/kg	<0.050	----
Cobalt	7440-48-4	E440	0.02	mg/kg	<0.020	----
Copper	7440-50-8	E440	0.1	mg/kg	<0.10	----
Iron	7439-89-6	E440	3	mg/kg	<3.0	----
Lead	7439-92-1	E440	0.02	mg/kg	<0.020	----
Lithium	7439-93-2	E440	0.5	mg/kg	<0.50	----
Magnesium	7439-95-4	E440	2	mg/kg	<2.0	----
Manganese	7439-96-5	E440	0.05	mg/kg	<0.050	----
Molybdenum	7439-98-7	E440	0.02	mg/kg	<0.020	----
Nickel	7440-02-0	E440	0.2	mg/kg	<0.20	----
Phosphorus	7723-14-0	E440	10	mg/kg	<10	----
Potassium	7440-09-7	E440	20	mg/kg	<20	----
Selenium	7782-49-2	E440	0.05	mg/kg	<0.050	----
Sodium	7440-23-5	E440	20	mg/kg	<20	----
Strontium	7440-24-6	E440	0.05	mg/kg	<0.050	----

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Metals (QCLot: 1517390) - continued						
Thallium	7440-28-0	E440	0.002	mg/kg	<0.0020	----
Tin	7440-31-5	E440	0.1	mg/kg	<0.10	----
Uranium	7440-61-1	E440	0.002	mg/kg	<0.0020	----
Vanadium	7440-62-2	E440	0.1	mg/kg	<0.10	----
Zinc	7440-66-6	E440	0.5	mg/kg	<0.50	----
Zirconium	7440-67-7	E440	0.2	mg/kg	<0.20	----
Metals (QCLot: 1517391)						
Mercury	7439-97-6	E510	0.005	mg/kg	<0.0050	----
Metals (QCLot: 1517392)						
Titanium	7440-32-6	E440.Ti	0.25	mg/kg	<0.25	----
Metals (QCLot: 1517393)						
Sulfur	7704-34-9	E440.S	100	mg/kg	<100	----
Metals (QCLot: 1517394)						
Silver	7440-22-4	E440.Ag	0.005	mg/kg	<0.0050	----
Metals (QCLot: 1527873)						
Aluminum	7429-90-5	E440	2	mg/kg	<2.0	----
Antimony	7440-36-0	E440	0.01	mg/kg	<0.010	----
Arsenic	7440-38-2	E440	0.02	mg/kg	<0.020	----
Barium	7440-39-3	E440	0.05	mg/kg	<0.050	----
Beryllium	7440-41-7	E440	0.01	mg/kg	<0.010	----
Boron	7440-42-8	E440	1	mg/kg	<1.0	----
Cadmium	7440-43-9	E440	0.005	mg/kg	<0.0050	----
Calcium	7440-70-2	E440	20	mg/kg	<20	----
Chromium	7440-47-3	E440	0.05	mg/kg	<0.050	----
Cobalt	7440-48-4	E440	0.02	mg/kg	<0.020	----
Copper	7440-50-8	E440	0.1	mg/kg	<0.10	----
Iron	7439-89-6	E440	3	mg/kg	<3.0	----
Lead	7439-92-1	E440	0.02	mg/kg	<0.020	----
Lithium	7439-93-2	E440	0.5	mg/kg	<0.50	----
Magnesium	7439-95-4	E440	2	mg/kg	<2.0	----
Manganese	7439-96-5	E440	0.05	mg/kg	<0.050	----
Molybdenum	7439-98-7	E440	0.02	mg/kg	<0.020	----
Nickel	7440-02-0	E440	0.2	mg/kg	<0.20	----
Phosphorus	7723-14-0	E440	10	mg/kg	<10	----
Potassium	7440-09-7	E440	20	mg/kg	<20	----

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Metals (QCLot: 1527873) - continued						
Selenium	7782-49-2	E440	0.05	mg/kg	<0.050	----
Sodium	7440-23-5	E440	20	mg/kg	<20	----
Strontium	7440-24-6	E440	0.05	mg/kg	<0.050	----
Thallium	7440-28-0	E440	0.002	mg/kg	<0.0020	----
Tin	7440-31-5	E440	0.1	mg/kg	<0.10	----
Uranium	7440-61-1	E440	0.002	mg/kg	<0.0020	----
Vanadium	7440-62-2	E440	0.1	mg/kg	<0.10	----
Zinc	7440-66-6	E440	0.5	mg/kg	<0.50	----
Zirconium	7440-67-7	E440	0.2	mg/kg	<0.20	----
Metals (QCLot: 1527874)						
Mercury	7439-97-6	E510	0.005	mg/kg	<0.0050	----
Metals (QCLot: 1527875)						
Titanium	7440-32-6	E440.Ti	0.25	mg/kg	<0.25	----
Metals (QCLot: 1527876)						
Silver	7440-22-4	E440.Ag	0.005	mg/kg	<0.0050	----

Sub-Matrix: **Soil/Solid**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1476534)						
Moisture	----	E144	0.25	%	<0.25	----
Physical Tests (QCLot: 1476535)						
Moisture	----	E144	0.25	%	<0.25	----
Physical Tests (QCLot: 1481259)						
Moisture	----	E144	0.25	%	<0.25	----
Saturated Paste Extractables (QCLot: 1505339)						
Conductivity, saturated paste	----	E102	20	µS/cm	<20	----
Saturated Paste Extractables (QCLot: 1505341)						
% Saturation	----	E141	1	%	50.0	----
Polychlorinated Biphenyls (QCLot: 1476411)						
Aroclor 1016	12674-11-2	E685	0.01	mg/kg	<0.010	----
Aroclor 1221	11104-28-2	E685	0.01	mg/kg	<0.010	----
Aroclor 1232	11141-16-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1242	53469-21-9	E685	0.01	mg/kg	<0.010	----
Aroclor 1248	12672-29-6	E685	0.01	mg/kg	<0.010	----
Aroclor 1254	11097-69-1	E685	0.01	mg/kg	<0.010	----

Sub-Matrix: **Soil/Solid**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1476411) - continued						
Aroclor 1260	11096-82-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1262	37324-23-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1268	11100-14-4	E685	0.01	mg/kg	<0.010	----
Polychlorinated Biphenyls (QCLot: 1478671)						
Aroclor 1016	12674-11-2	E685	0.01	mg/kg	<0.010	----
Aroclor 1221	11104-28-2	E685	0.01	mg/kg	<0.010	----
Aroclor 1232	11141-16-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1242	53469-21-9	E685	0.01	mg/kg	<0.010	----
Aroclor 1248	12672-29-6	E685	0.01	mg/kg	<0.010	----
Aroclor 1254	11097-69-1	E685	0.01	mg/kg	<0.010	----
Aroclor 1260	11096-82-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1262	37324-23-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1268	11100-14-4	E685	0.01	mg/kg	<0.010	----
Polychlorinated Biphenyls (QCLot: 1481066)						
Aroclor 1016	12674-11-2	E685	0.01	mg/kg	<0.010	----
Aroclor 1221	11104-28-2	E685	0.01	mg/kg	<0.010	----
Aroclor 1232	11141-16-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1242	53469-21-9	E685	0.01	mg/kg	<0.010	----
Aroclor 1248	12672-29-6	E685	0.01	mg/kg	<0.010	----
Aroclor 1254	11097-69-1	E685	0.01	mg/kg	<0.010	----
Aroclor 1260	11096-82-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1262	37324-23-5	E685	0.01	mg/kg	<0.010	----
Aroclor 1268	11100-14-4	E685	0.01	mg/kg	<0.010	----

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1487910)									
Moisture	----	E144	0.5	%	50 %	100	90.0	110	----
Physical Tests (QCLot: 1505421)									
Moisture	----	E144	0.5	%	50 %	98.5	90.0	110	----
Physical Tests (QCLot: 1510697)									
Moisture	----	E144	0.5	%	50 %	99.9	90.0	110	----
Metals (QCLot: 1517356)									
Aluminum	7429-90-5	E440	2	mg/kg	20 mg/kg	111	80.0	120	----
Antimony	7440-36-0	E440	0.01	mg/kg	10 mg/kg	104	80.0	120	----
Arsenic	7440-38-2	E440	0.02	mg/kg	10 mg/kg	114	80.0	120	----
Barium	7440-39-3	E440	0.05	mg/kg	2.5 mg/kg	114	80.0	120	----
Beryllium	7440-41-7	E440	0.01	mg/kg	1 mg/kg	105	80.0	120	----
Boron	7440-42-8	E440	1	mg/kg	10 mg/kg	108	80.0	120	----
Cadmium	7440-43-9	E440	0.005	mg/kg	1 mg/kg	107	80.0	120	----
Calcium	7440-70-2	E440	20	mg/kg	500 mg/kg	102	80.0	120	----
Chromium	7440-47-3	E440	0.05	mg/kg	2.5 mg/kg	112	80.0	120	----
Cobalt	7440-48-4	E440	0.02	mg/kg	2.5 mg/kg	109	80.0	120	----
Copper	7440-50-8	E440	0.1	mg/kg	2.5 mg/kg	108	80.0	120	----
Iron	7439-89-6	E440	3	mg/kg	10 mg/kg	109	80.0	120	----
Lead	7439-92-1	E440	0.02	mg/kg	5 mg/kg	107	80.0	120	----
Lithium	7439-93-2	E440	0.5	mg/kg	2.5 mg/kg	115	80.0	120	----
Magnesium	7439-95-4	E440	2	mg/kg	500 mg/kg	107	80.0	120	----
Manganese	7439-96-5	E440	0.05	mg/kg	2.5 mg/kg	107	80.0	120	----
Molybdenum	7439-98-7	E440	0.02	mg/kg	2.5 mg/kg	109	80.0	120	----
Nickel	7440-02-0	E440	0.2	mg/kg	5 mg/kg	108	80.0	120	----
Phosphorus	7723-14-0	E440	10	mg/kg	100 mg/kg	112	80.0	120	----
Potassium	7440-09-7	E440	20	mg/kg	500 mg/kg	109	80.0	120	----
Selenium	7782-49-2	E440	0.05	mg/kg	10 mg/kg	102	80.0	120	----
Sodium	7440-23-5	E440	20	mg/kg	500 mg/kg	112	80.0	120	----
Strontium	7440-24-6	E440	0.05	mg/kg	2.5 mg/kg	110	80.0	120	----
Thallium	7440-28-0	E440	0.002	mg/kg	10 mg/kg	104	80.0	120	----
Tin	7440-31-5	E440	0.1	mg/kg	5 mg/kg	107	80.0	120	----
Uranium	7440-61-1	E440	0.002	mg/kg	0.05 mg/kg	112	80.0	120	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Metals (QCLot: 1517356) - continued									
Vanadium	7440-62-2	E440	0.1	mg/kg	5 mg/kg	112	80.0	120	----
Zinc	7440-66-6	E440	0.5	mg/kg	5 mg/kg	111	80.0	120	----
Zirconium	7440-67-7	E440	0.2	mg/kg	1 mg/kg	106	80.0	120	----
Metals (QCLot: 1517357)									
Mercury	7439-97-6	E510	0.005	mg/kg	0.02 mg/kg	101	80.0	120	----
Metals (QCLot: 1517358)									
Titanium	7440-32-6	E440.Ti	0.25	mg/kg	2.5 mg/kg	106	80.0	120	----
Metals (QCLot: 1517359)									
Sulfur	7704-34-9	E440.S	100	mg/kg	500 mg/kg	106	80.0	120	----
Metals (QCLot: 1517360)									
Silver	7440-22-4	E440.Ag	0.005	mg/kg	1 mg/kg	98.1	80.0	120	----
Metals (QCLot: 1517390)									
Aluminum	7429-90-5	E440	2	mg/kg	20 mg/kg	111	80.0	120	----
Antimony	7440-36-0	E440	0.01	mg/kg	10 mg/kg	109	80.0	120	----
Arsenic	7440-38-2	E440	0.02	mg/kg	10 mg/kg	117	80.0	120	----
Barium	7440-39-3	E440	0.05	mg/kg	2.5 mg/kg	120	80.0	120	----
Beryllium	7440-41-7	E440	0.01	mg/kg	1 mg/kg	107	80.0	120	----
Boron	7440-42-8	E440	1	mg/kg	10 mg/kg	112	80.0	120	----
Cadmium	7440-43-9	E440	0.005	mg/kg	1 mg/kg	110	80.0	120	----
Calcium	7440-70-2	E440	20	mg/kg	500 mg/kg	106	80.0	120	----
Chromium	7440-47-3	E440	0.05	mg/kg	2.5 mg/kg	111	80.0	120	----
Cobalt	7440-48-4	E440	0.02	mg/kg	2.5 mg/kg	110	80.0	120	----
Copper	7440-50-8	E440	0.1	mg/kg	2.5 mg/kg	110	80.0	120	----
Iron	7439-89-6	E440	3	mg/kg	10 mg/kg	113	80.0	120	----
Lead	7439-92-1	E440	0.02	mg/kg	5 mg/kg	108	80.0	120	----
Lithium	7439-93-2	E440	0.5	mg/kg	2.5 mg/kg	111	80.0	120	----
Magnesium	7439-95-4	E440	2	mg/kg	500 mg/kg	108	80.0	120	----
Manganese	7439-96-5	E440	0.05	mg/kg	2.5 mg/kg	110	80.0	120	----
Molybdenum	7439-98-7	E440	0.02	mg/kg	2.5 mg/kg	112	80.0	120	----
Nickel	7440-02-0	E440	0.2	mg/kg	5 mg/kg	110	80.0	120	----
Phosphorus	7723-14-0	E440	10	mg/kg	100 mg/kg	120	80.0	120	----
Potassium	7440-09-7	E440	20	mg/kg	500 mg/kg	110	80.0	120	----
Selenium	7782-49-2	E440	0.05	mg/kg	10 mg/kg	109	80.0	120	----
Sodium	7440-23-5	E440	20	mg/kg	500 mg/kg	112	80.0	120	----
Strontium	7440-24-6	E440	0.05	mg/kg	2.5 mg/kg	112	80.0	120	----
Thallium	7440-28-0	E440	0.002	mg/kg	10 mg/kg	104	80.0	120	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Metals (QCLot: 1517390) - continued									
Tin	7440-31-5	E440	0.1	mg/kg	5 mg/kg	109	80.0	120	----
Uranium	7440-61-1	E440	0.002	mg/kg	0.05 mg/kg	110	80.0	120	----
Vanadium	7440-62-2	E440	0.1	mg/kg	5 mg/kg	112	80.0	120	----
Zinc	7440-66-6	E440	0.5	mg/kg	5 mg/kg	107	80.0	120	----
Zirconium	7440-67-7	E440	0.2	mg/kg	1 mg/kg	106	80.0	120	----
Metals (QCLot: 1517391)									
Mercury	7439-97-6	E510	0.005	mg/kg	0.02 mg/kg	102	80.0	120	----
Metals (QCLot: 1517392)									
Titanium	7440-32-6	E440.Ti	0.25	mg/kg	2.5 mg/kg	106	80.0	120	----
Metals (QCLot: 1517393)									
Sulfur	7704-34-9	E440.S	100	mg/kg	500 mg/kg	112	80.0	120	----
Metals (QCLot: 1517394)									
Silver	7440-22-4	E440.Ag	0.005	mg/kg	1 mg/kg	99.9	80.0	120	----
Metals (QCLot: 1527873)									
Aluminum	7429-90-5	E440	2	mg/kg	20 mg/kg	101	80.0	120	----
Antimony	7440-36-0	E440	0.01	mg/kg	10 mg/kg	104	80.0	120	----
Arsenic	7440-38-2	E440	0.02	mg/kg	10 mg/kg	108	80.0	120	----
Barium	7440-39-3	E440	0.05	mg/kg	2.5 mg/kg	105	80.0	120	----
Beryllium	7440-41-7	E440	0.01	mg/kg	1 mg/kg	98.5	80.0	120	----
Boron	7440-42-8	E440	1	mg/kg	10 mg/kg	99.0	80.0	120	----
Cadmium	7440-43-9	E440	0.005	mg/kg	1 mg/kg	100	80.0	120	----
Calcium	7440-70-2	E440	20	mg/kg	500 mg/kg	100	80.0	120	----
Chromium	7440-47-3	E440	0.05	mg/kg	2.5 mg/kg	102	80.0	120	----
Cobalt	7440-48-4	E440	0.02	mg/kg	2.5 mg/kg	99.6	80.0	120	----
Copper	7440-50-8	E440	0.1	mg/kg	2.5 mg/kg	99.8	80.0	120	----
Iron	7439-89-6	E440	3	mg/kg	10 mg/kg	104	80.0	120	----
Lead	7439-92-1	E440	0.02	mg/kg	5 mg/kg	102	80.0	120	----
Lithium	7439-93-2	E440	0.5	mg/kg	2.5 mg/kg	99.1	80.0	120	----
Magnesium	7439-95-4	E440	2	mg/kg	500 mg/kg	101	80.0	120	----
Manganese	7439-96-5	E440	0.05	mg/kg	2.5 mg/kg	101	80.0	120	----
Molybdenum	7439-98-7	E440	0.02	mg/kg	2.5 mg/kg	105	80.0	120	----
Nickel	7440-02-0	E440	0.2	mg/kg	5 mg/kg	100	80.0	120	----
Phosphorus	7723-14-0	E440	10	mg/kg	100 mg/kg	113	80.0	120	----
Potassium	7440-09-7	E440	20	mg/kg	500 mg/kg	103	80.0	120	----
Selenium	7782-49-2	E440	0.05	mg/kg	10 mg/kg	102	80.0	120	----
Sodium	7440-23-5	E440	20	mg/kg	500 mg/kg	102	80.0	120	----

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Target Concentration	LCS	Low	High	Qualifier
Metals (QCLot: 1527873) - continued									
Strontium	7440-24-6	E440	0.05	mg/kg	2.5 mg/kg	109	80.0	120	----
Thallium	7440-28-0	E440	0.002	mg/kg	10 mg/kg	102	80.0	120	----
Tin	7440-31-5	E440	0.1	mg/kg	5 mg/kg	104	80.0	120	----
Uranium	7440-61-1	E440	0.002	mg/kg	0.05 mg/kg	106	80.0	120	----
Vanadium	7440-62-2	E440	0.1	mg/kg	5 mg/kg	104	80.0	120	----
Zinc	7440-66-6	E440	0.5	mg/kg	5 mg/kg	97.0	80.0	120	----
Zirconium	7440-67-7	E440	0.2	mg/kg	1 mg/kg	99.6	80.0	120	----
Metals (QCLot: 1527874)									
Mercury	7439-97-6	E510	0.005	mg/kg	0.02 mg/kg	100	80.0	120	----
Metals (QCLot: 1527875)									
Titanium	7440-32-6	E440.Ti	0.25	mg/kg	2.5 mg/kg	101	80.0	120	----
Metals (QCLot: 1527876)									
Silver	7440-22-4	E440.Ag	0.005	mg/kg	1 mg/kg	93.7	80.0	120	----

Sub-Matrix: **Soil/Solid**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1476534)									
Moisture	----	E144	0.25	%	50 %	98.0	90.0	110	----
Physical Tests (QCLot: 1476535)									
Moisture	----	E144	0.25	%	50 %	98.6	90.0	110	----
Physical Tests (QCLot: 1481259)									
Moisture	----	E144	0.25	%	50 %	98.8	90.0	110	----
Saturated Paste Extractables (QCLot: 1505339)									
Conductivity, saturated paste	----	E102	20	µS/cm	147 µS/cm	101	80.0	120	----
Saturated Paste Extractables (QCLot: 1505340)									
pH, saturated paste	----	E114	----	pH units	6 pH units	100	95.0	105	----
Saturated Paste Extractables (QCLot: 1505341)									
% Saturation	----	E141	1	%	100 %	99.0	80.0	120	----
Polychlorinated Biphenyls (QCLot: 1476411)									
Aroclor 1260	11096-82-5	E685	0.01	mg/kg	0.05 mg/kg	80.1	65.0	130	----
Polychlorinated Biphenyls (QCLot: 1478671)									
Aroclor 1260	11096-82-5	E685	0.01	mg/kg	0.05 mg/kg	87.6	65.0	130	----

Sub-Matrix: **Soil/Solid**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report: Spike Target Concentration	Recovery (%) LCS	Recovery Limits (%) Low	Recovery Limits (%) High	Qualifier
Polychlorinated Biphenyls (QCLot: 1481066)									
Aroclor 1260	11096-82-5	E685	0.01	mg/kg	0.05 mg/kg	79.3	65.0	130	----

Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: **Soil/Solid**

Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Matrix Spike (MS) Report: Spike Concentration	Spike Target	Recovery (%) MS	Recovery Limits (%) Low	Recovery Limits (%) High	Qualifier
Polychlorinated Biphenyls (QCLot: 1476411)										
EO2404138-045	15867240528403	Aroclor 1260	11096-82-5	E685	0.032 mg/kg	0.05 mg/kg	65.2	65.0	130	----
Polychlorinated Biphenyls (QCLot: 1478671)										
EO2404138-100	15867240529217	Aroclor 1260	11096-82-5	E685	0.034 mg/kg	0.05 mg/kg	67.1	65.0	130	----
Polychlorinated Biphenyls (QCLot: 1481066)										
CG2407441-007	Anonymous	Aroclor 1260	11096-82-5	E685	0.039 mg/kg	0.05 mg/kg	77.7	65.0	130	----

Reference Material (RM) Report

A Reference Material (RM) is a homogenous material with known and well-established analyte concentrations. RMs are processed in an identical manner to test samples, and are used to monitor and control the accuracy and precision of a test method for a typical sample matrix. RM results are expressed as percent recovery of the target analyte concentration. RM targets may be certified target concentrations provided by the RM supplier, or may be ALS long-term mean values (for empirical test methods).

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Metals (QCLot: 1517356)									
QC-1517356-003	RM	Aluminum	7429-90-5	E440	147 mg/kg	104	70.0	130	----
QC-1517356-003	RM	Arsenic	7440-38-2	E440	14.5 mg/kg	103	70.0	130	----
QC-1517356-003	RM	Barium	7440-39-3	E440	0.352 mg/kg	108	70.0	130	----
QC-1517356-003	RM	Boron	7440-42-8	E440	3.47 mg/kg	106	70.0	130	----
QC-1517356-003	RM	Cadmium	7440-43-9	E440	0.153 mg/kg	99.2	70.0	130	----
QC-1517356-003	RM	Calcium	7440-70-2	E440	2010 mg/kg	99.1	70.0	130	----
QC-1517356-003	RM	Chromium	7440-47-3	E440	0.453 mg/kg	113	70.0	130	----
QC-1517356-003	RM	Cobalt	7440-48-4	E440	0.057 mg/kg	104	65.0	135	----
QC-1517356-003	RM	Copper	7440-50-8	E440	3.3 mg/kg	104	70.0	130	----
QC-1517356-003	RM	Iron	7439-89-6	E440	102 mg/kg	98.4	70.0	130	----
QC-1517356-003	RM	Lead	7439-92-1	E440	0.058 mg/kg	102	70.0	130	----
QC-1517356-003	RM	Magnesium	7439-95-4	E440	899 mg/kg	101	70.0	130	----
QC-1517356-003	RM	Manganese	7439-96-5	E440	0.948 mg/kg	104	70.0	130	----
QC-1517356-003	RM	Molybdenum	7439-98-7	E440	0.134 mg/kg	102	70.0	130	----
QC-1517356-003	RM	Nickel	7440-02-0	E440	0.33 mg/kg	104	40.0	160	----
QC-1517356-003	RM	Phosphorus	7723-14-0	E440	6700 mg/kg	102	70.0	130	----
QC-1517356-003	RM	Potassium	7440-09-7	E440	11600 mg/kg	106	70.0	130	----
QC-1517356-003	RM	Selenium	7782-49-2	E440	2.48 mg/kg	97.0	70.0	130	----
QC-1517356-003	RM	Sodium	7440-23-5	E440	9620 mg/kg	107	70.0	130	----
QC-1517356-003	RM	Strontium	7440-24-6	E440	10.6 mg/kg	106	70.0	130	----
QC-1517356-003	RM	Vanadium	7440-62-2	E440	0.269 mg/kg	101	70.0	130	----
QC-1517356-003	RM	Zinc	7440-66-6	E440	28.7 mg/kg	109	70.0	130	----
Metals (QCLot: 1517357)									
QC-1517357-003	RM	Mercury	7439-97-6	E510	0.281 mg/kg	99.0	70.0	130	----
Metals (QCLot: 1517358)									
QC-1517358-003	RM	Titanium	7440-32-6	E440.Ti	1.15 mg/kg	98.4	70.0	130	----
Metals (QCLot: 1517359)									
QC-1517359-003	RM	Sulfur	7704-34-9	E440.S	9510 mg/kg	100	70.0	130	----
Metals (QCLot: 1517360)									
QC-1517360-003	RM	Silver	7440-22-4	E440.Ag	0.139 mg/kg	109	70.0	130	----
Metals (QCLot: 1517390)									
QC-1517390-003	RM	Aluminum	7429-90-5	E440	147 mg/kg	106	70.0	130	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Metals (QCLot: 1517390) - continued									
QC-1517390-003	RM	Arsenic	7440-38-2	E440	14.5 mg/kg	105	70.0	130	----
QC-1517390-003	RM	Barium	7440-39-3	E440	0.352 mg/kg	108	70.0	130	----
QC-1517390-003	RM	Boron	7440-42-8	E440	3.47 mg/kg	104	70.0	130	----
QC-1517390-003	RM	Cadmium	7440-43-9	E440	0.153 mg/kg	105	70.0	130	----
QC-1517390-003	RM	Calcium	7440-70-2	E440	2010 mg/kg	103	70.0	130	----
QC-1517390-003	RM	Chromium	7440-47-3	E440	0.453 mg/kg	104	70.0	130	----
QC-1517390-003	RM	Cobalt	7440-48-4	E440	0.057 mg/kg	103	65.0	135	----
QC-1517390-003	RM	Copper	7440-50-8	E440	3.3 mg/kg	105	70.0	130	----
QC-1517390-003	RM	Iron	7439-89-6	E440	102 mg/kg	107	70.0	130	----
QC-1517390-003	RM	Lead	7439-92-1	E440	0.058 mg/kg	103	70.0	130	----
QC-1517390-003	RM	Magnesium	7439-95-4	E440	899 mg/kg	100	70.0	130	----
QC-1517390-003	RM	Manganese	7439-96-5	E440	0.948 mg/kg	106	70.0	130	----
QC-1517390-003	RM	Molybdenum	7439-98-7	E440	0.134 mg/kg	93.0	70.0	130	----
QC-1517390-003	RM	Nickel	7440-02-0	E440	0.33 mg/kg	99.6	40.0	160	----
QC-1517390-003	RM	Phosphorus	7723-14-0	E440	6700 mg/kg	103	70.0	130	----
QC-1517390-003	RM	Potassium	7440-09-7	E440	11600 mg/kg	106	70.0	130	----
QC-1517390-003	RM	Selenium	7782-49-2	E440	2.48 mg/kg	105	70.0	130	----
QC-1517390-003	RM	Sodium	7440-23-5	E440	9620 mg/kg	103	70.0	130	----
QC-1517390-003	RM	Strontium	7440-24-6	E440	10.6 mg/kg	102	70.0	130	----
QC-1517390-003	RM	Vanadium	7440-62-2	E440	0.269 mg/kg	104	70.0	130	----
QC-1517390-003	RM	Zinc	7440-66-6	E440	28.7 mg/kg	104	70.0	130	----
Metals (QCLot: 1517391)									
QC-1517391-003	RM	Mercury	7439-97-6	E510	0.281 mg/kg	100	70.0	130	----
Metals (QCLot: 1517392)									
QC-1517392-003	RM	Titanium	7440-32-6	E440.Ti	1.15 mg/kg	93.7	70.0	130	----
Metals (QCLot: 1517393)									
QC-1517393-003	RM	Sulfur	7704-34-9	E440.S	9510 mg/kg	102	70.0	130	----
Metals (QCLot: 1517394)									
QC-1517394-003	RM	Silver	7440-22-4	E440.Ag	0.139 mg/kg	107	70.0	130	----
Metals (QCLot: 1527873)									
QC-1527873-003	RM	Aluminum	7429-90-5	E440	147 mg/kg	94.5	70.0	130	----
QC-1527873-003	RM	Arsenic	7440-38-2	E440	14.5 mg/kg	96.7	70.0	130	----
QC-1527873-003	RM	Barium	7440-39-3	E440	0.352 mg/kg	99.3	70.0	130	----
QC-1527873-003	RM	Boron	7440-42-8	E440	3.47 mg/kg	95.5	70.0	130	----
QC-1527873-003	RM	Cadmium	7440-43-9	E440	0.153 mg/kg	96.6	70.0	130	----
QC-1527873-003	RM	Calcium	7440-70-2	E440	2010 mg/kg	101	70.0	130	----
QC-1527873-003	RM	Chromium	7440-47-3	E440	0.453 mg/kg	100	70.0	130	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Metals (QCLot: 1527873) - continued									
QC-1527873-003	RM	Cobalt	7440-48-4	E440	0.057 mg/kg	103	65.0	135	----
QC-1527873-003	RM	Copper	7440-50-8	E440	3.3 mg/kg	96.6	70.0	130	----
QC-1527873-003	RM	Iron	7439-89-6	E440	102 mg/kg	92.2	70.0	130	----
QC-1527873-003	RM	Lead	7439-92-1	E440	0.058 mg/kg	95.5	70.0	130	----
QC-1527873-003	RM	Magnesium	7439-95-4	E440	899 mg/kg	92.9	70.0	130	----
QC-1527873-003	RM	Manganese	7439-96-5	E440	0.948 mg/kg	94.7	70.0	130	----
QC-1527873-003	RM	Molybdenum	7439-98-7	E440	0.134 mg/kg	95.7	70.0	130	----
QC-1527873-003	RM	Nickel	7440-02-0	E440	0.33 mg/kg	90.8	40.0	160	----
QC-1527873-003	RM	Phosphorus	7723-14-0	E440	6700 mg/kg	98.1	70.0	130	----
QC-1527873-003	RM	Potassium	7440-09-7	E440	11600 mg/kg	96.6	70.0	130	----
QC-1527873-003	RM	Selenium	7782-49-2	E440	2.48 mg/kg	97.4	70.0	130	----
QC-1527873-003	RM	Sodium	7440-23-5	E440	9620 mg/kg	94.0	70.0	130	----
QC-1527873-003	RM	Strontium	7440-24-6	E440	10.6 mg/kg	95.5	70.0	130	----
QC-1527873-003	RM	Vanadium	7440-62-2	E440	0.269 mg/kg	93.0	70.0	130	----
QC-1527873-003	RM	Zinc	7440-66-6	E440	28.7 mg/kg	94.8	70.0	130	----
Metals (QCLot: 1527874)									
QC-1527874-003	RM	Mercury	7439-97-6	E510	0.281 mg/kg	101	70.0	130	----
Metals (QCLot: 1527875)									
QC-1527875-003	RM	Titanium	7440-32-6	E440.Ti	1.15 mg/kg	101	70.0	130	----
Metals (QCLot: 1527876)									
QC-1527876-003	RM	Silver	7440-22-4	E440.Ag	0.139 mg/kg	98.5	70.0	130	----

ALS Canada Ltd.

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **EO2404138**	Page	: 1 of 47
Amendment	: **2**		
Client	: **Matrix Solutions Inc.**	Laboratory	: ALS Environmental - Edmonton
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 9450 - 17 Avenue NW Edmonton, Alberta Canada T6N 1M9
Telephone	: 780 989 8347	Telephone	: +1 780 413 5227
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 12:38
PO	: 065460	Issue Date	: 06-Aug-2024 15:03
C-O-C number	: 120251,54,55,117776,106148,120253,117778,117779,120252,112100		
Sampler	: LO/MW		
Site	: Swan Hills Treatment Centre		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 163		
No. of samples analysed	: 105		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- Test sample Surrogate recovery outliers exist for all regular sample matrices - please see following pages for full details.

Outliers: Reference Material (RM) Samples

- No Reference Material (RM) Sample outliers occur.

Outliers : Analysis Holding Time Compliance (Breaches)

- No Analysis Holding Time Outliers exist.

Outliers : Frequency of Quality Control Samples

- Quality Control Sample Frequency Outliers occur - please see following pages for full details.

Regular Sample Surrogates

Sub-Matrix: **Soil**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Result	Limits	Comment
Samples Submitted							
Polychlorinated Biphenyls Surrogates	EO2404138-099	15867240529216	Decachlorobiphenyl	2051-24-3	145 %	65.0-130 %	Recovery greater than upper data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-084	15867240527201	Decachlorobiphenyl	2051-24-3	51.5 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-105	15867240530222	Decachlorobiphenyl	2051-24-3	135 %	65.0-130 %	Recovery greater than upper data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-106	15867240530223	Decachlorobiphenyl	2051-24-3	61.0 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-108	15867240530225	Decachlorobiphenyl	2051-24-3	62.0 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-111	15867240530228	Decachlorobiphenyl	2051-24-3	56.0 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-114	15867240530231	Decachlorobiphenyl	2051-24-3	149 %	65.0-130 %	Recovery greater than upper data quality objective
Samples Submitted							
Polychlorinated Biphenyls Surrogates	EO2404138-153	15867240527001	Decachlorobiphenyl	2051-24-3	61.5 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-156	15867240528017	Decachlorobiphenyl	2051-24-3	44.5 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-157	15867240529024	Decachlorobiphenyl	2051-24-3	56.5 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-160	15867240529029	Decachlorobiphenyl	2051-24-3	50.5 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-162	15867240530034	Decachlorobiphenyl	2051-24-3	50.0 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-163	15867240530035	Decachlorobiphenyl	2051-24-3	41.0 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-164	15867240530036	Decachlorobiphenyl	2051-24-3	35.5 %	65.0-130 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	EO2404138-165	15867240530037	Decachlorobiphenyl	2051-24-3	42.5 %	65.0-130 %	Recovery less than lower data quality objective

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529316	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240530034	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240530035	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240530036	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240530037	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240530134	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240530135	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240530136	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240530137	E510	30-May-2024	28-Jun-2024	365 days	29 days	✓	28-Jun-2024	365 days	30 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529024	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529026	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529028	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529029	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240529124	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529126	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240529128	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529129	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529309	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529310	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529311	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529312	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529313	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529314	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529315	E510	29-May-2024	28-Jun-2024	365 days	30 days	✓	28-Jun-2024	365 days	31 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240528007	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240528017	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528107	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528117	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528304	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528305	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528306	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528307	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag										
15867240528308	E510	28-May-2024	28-Jun-2024	365 days	31 days	✓	28-Jun-2024	365 days	32 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527001	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240527002	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240527101	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240527102	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240527301	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240527302	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240527303	E510	27-May-2024	28-Jun-2024	365 days	32 days	✓	28-Jun-2024	365 days	33 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529317	E510	30-May-2024	05-Jul-2024	365 days	36 days	✓	06-Jul-2024	365 days	38 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
LDPE bag 15867240529318	E510	30-May-2024	05-Jul-2024	365 days	36 days	✓	06-Jul-2024	365 days	38 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap 15867240530319	E510	30-May-2024	05-Jul-2024	365 days	36 days	✓	06-Jul-2024	365 days	38 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530320	E510	30-May-2024	05-Jul-2024	365 days	36 days	✓	06-Jul-2024	365 days	38 days	✓
Metals : Mercury in Biota by CVAAS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530321	E510	30-May-2024	05-Jul-2024	365 days	36 days	✓	06-Jul-2024	365 days	38 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529316	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530034	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530035	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530036	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530037	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530134	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530135	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530136	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530137	E440	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529024	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529026	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529028	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529029	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529124	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529126	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529128	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529129	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529309	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529310	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529311	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529312	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529313	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529314	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529315	E440	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240528007	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240528017	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528107	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528117	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528304	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528305	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528306	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528307	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528308	E440	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527001	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527002	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527101	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527102	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527301	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527302	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527303	E440	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529317	E440	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529318	E440	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530319	E440	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times* Rec	*Holding Times* Actual	*Eval*	*Analysis Date*	*Holding Times* Rec	*Holding Times* Actual	*Eval*
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530320	E440	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Metals in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530321	E440	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529316	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530034	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530035	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530036	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530037	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530134	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530135	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530136	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530137	E440.Ag	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529024	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529026	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529028	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529029	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529124	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529126	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529128	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529129	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529309	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529310	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529311	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529312	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529313	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529314	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529315	E440.Ag	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240528007	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240528017	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528107	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528117	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528304	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528305	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528306	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528307	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528308	E440.Ag	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527001	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527002	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527101	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527102	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527301	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527302	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527303	E440.Ag	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529317	E440.Ag	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529318	E440.Ag	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530319	E440.Ag	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times* Rec	*Holding Times* Actual	*Eval*	*Analysis Date*	*Holding Times* Rec	*Holding Times* Actual	*Eval*
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530320	E440.Ag	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Silver in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap										
15867240530321	E440.Ag	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530034	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530035	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530036	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530037	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530134	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530135	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530136	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240530137	E440.S	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240529024	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240529026	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240529028	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240529029	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529124	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240529126	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529128	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529129	E440.S	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240528007	E440.S	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240528017	E440.S	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528107	E440.S	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240528117	E440.S	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527001	E440.S	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527002	E440.S	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240527101	E440.S	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Sulfur in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240527102	E440.S	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529316	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530034	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530035	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530036	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530037	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530134	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530135	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530136	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240530137	E440.Ti	30-May-2024	28-Jun-2024	730 days	29 days	✓	02-Jul-2024	730 days	34 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529024	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529026	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529028	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529029	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529124	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529126	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529128	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529129	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529309	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag										
15867240529310	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529311	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529312	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529313	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529314	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529315	E440.Ti	29-May-2024	28-Jun-2024	730 days	30 days	✓	02-Jul-2024	730 days	35 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240528007	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240528017	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528107	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528117	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528304	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528305	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528306	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528307	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240528308	E440.Ti	28-May-2024	28-Jun-2024	730 days	31 days	✓	02-Jul-2024	730 days	36 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240527001	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240527002	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap [ON MECP] 15867240527101	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240527102	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times* Rec	*Holding Times* Actual	*Eval*	*Analysis Date*	*Holding Times* Rec	*Holding Times* Actual	*Eval*
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240527301	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240527302	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240527303	E440.Ti	27-May-2024	28-Jun-2024	730 days	32 days	✓	02-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529317	E440.Ti	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
LDPE bag 15867240529318	E440.Ti	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap 15867240530319	E440.Ti	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap 15867240530320	E440.Ti	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Metals : Titanium in Biota by CRC ICPMS (DRY units, Routine)										
Glass soil jar/Teflon lined cap 15867240530321	E440.Ti	30-May-2024	05-Jul-2024	730 days	36 days	✓	05-Jul-2024	730 days	37 days	✓
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP] 15867240530034	E144	30-May-2024	----	----	----		11-Jun-2024	----	13 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530035	E144	30-May-2024	----	----	----		11-Jun-2024	----	13 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
15867240530134	E144	30-May-2024	----	----	----		11-Jun-2024	----	13 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
15867240530135	E144	30-May-2024	----	----	----		11-Jun-2024	----	13 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529024	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529026	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529028	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529029	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
15867240529124	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
15867240529128	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag 15867240529129	E144	29-May-2024	----	----	----		11-Jun-2024	----	14 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP] 15867240528007	E144	28-May-2024	----	----	----		11-Jun-2024	----	15 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP] 15867240528017	E144	28-May-2024	----	----	----		11-Jun-2024	----	15 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag 15867240528107	E144	28-May-2024	----	----	----		11-Jun-2024	----	15 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag 15867240528117	E144	28-May-2024	----	----	----		11-Jun-2024	----	15 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP] 15867240527001	E144	27-May-2024	----	----	----		11-Jun-2024	----	16 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag 15867240527002	E144	27-May-2024	----	----	----		11-Jun-2024	----	16 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP] 15867240527101	E144	27-May-2024	----	----	----		11-Jun-2024	----	16 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag 15867240527102	E144	27-May-2024	----	----	----		11-Jun-2024	----	16 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530036	E144	30-May-2024	----	----	----		20-Jun-2024	----	22 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240530037	E144	30-May-2024	----	----	----		20-Jun-2024	----	22 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
15867240530136	E144	30-May-2024	----	----	----		20-Jun-2024	----	22 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
15867240530137	E144	30-May-2024	----	----	----		20-Jun-2024	----	22 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap [ON MECP]										
15867240529126	E144	29-May-2024	----	----	----		24-Jun-2024	----	26 days	

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240528007	E144	28-May-2024	----	----	----		07-Jun-2024	----	10 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240528017	E144	28-May-2024	----	----	----		07-Jun-2024	----	10 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240527001	E144	27-May-2024	----	----	----		07-Jun-2024	----	11 days	

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530222	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530223	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530224	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530225	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530226	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530227	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530228	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530229	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530230	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530231	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530233	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530235	E144	30-May-2024	----	----	----		05-Jun-2024	----	6 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529210	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529211	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529212	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529213	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529214	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529215	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	*Method*	*Sampling Date*	*Extraction / Preparation*				*Analysis*			
			Preparation Date	*Holding Times* Rec	*Holding Times* Actual	*Eval*	*Analysis Date*	*Holding Times* Rec	*Holding Times* Actual	*Eval*
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240529216	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240529217	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240529218	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240529219	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240529220	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240529221	E144	29-May-2024	----	----	----		05-Jun-2024	----	7 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240528204	E144	28-May-2024	----	----	----		05-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240528205	E144	28-May-2024	----	----	----		05-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap 15867240528206	E144	28-May-2024	----	----	----		05-Jun-2024	----	8 days	

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240528207	E144	28-May-2024	----	----	----		05-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240528208	E144	28-May-2024	----	----	----		05-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240528209	E144	28-May-2024	----	----	----		05-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530034	E144	30-May-2024	----	----	----		07-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530035	E144	30-May-2024	----	----	----		07-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530036	E144	30-May-2024	----	----	----		07-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240530037	E144	30-May-2024	----	----	----		07-Jun-2024	----	8 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240527201	E144	27-May-2024	----	----	----		05-Jun-2024	----	9 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240527202	E144	27-May-2024	----	----	----		05-Jun-2024	----	9 days	

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240527203	E144	27-May-2024	----	----	----		05-Jun-2024	----	9 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529024	E144	29-May-2024	----	----	----		07-Jun-2024	----	9 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529026	E144	29-May-2024	----	----	----		07-Jun-2024	----	9 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529028	E144	29-May-2024	----	----	----		07-Jun-2024	----	9 days	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap										
15867240529029	E144	29-May-2024	----	----	----		07-Jun-2024	----	9 days	
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528007	E685	28-May-2024	07-Jun-2024	365 days	10 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528017	E685	28-May-2024	07-Jun-2024	365 days	10 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240527001	E685	27-May-2024	07-Jun-2024	365 days	11 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530405	E685	30-May-2024	05-Jun-2024	365 days	6 days	✓	06-Jun-2024	40 days	1 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529210	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529211	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529212	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529213	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529214	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529215	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529404	E685	29-May-2024	05-Jun-2024	365 days	7 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530222	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530223	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530224	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530225	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530226	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530227	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530228	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530229	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530230	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530231	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530233	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530235	E685	30-May-2024	06-Jun-2024	365 days	7 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530034	E685	30-May-2024	07-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530035	E685	30-May-2024	07-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530036	E685	30-May-2024	07-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240530037	E685	30-May-2024	07-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528204	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528205	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528206	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528207	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528208	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528209	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240528403	E685	28-May-2024	05-Jun-2024	365 days	8 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529216	E685	29-May-2024	06-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529217	E685	29-May-2024	06-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529218	E685	29-May-2024	06-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529219	E685	29-May-2024	06-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529220	E685	29-May-2024	06-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529221	E685	29-May-2024	06-Jun-2024	365 days	8 days	✓	07-Jun-2024	40 days	1 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529024	E685	29-May-2024	07-Jun-2024	365 days	9 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529026	E685	29-May-2024	07-Jun-2024	365 days	9 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529028	E685	29-May-2024	07-Jun-2024	365 days	9 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240529029	E685	29-May-2024	07-Jun-2024	365 days	9 days	✓	07-Jun-2024	40 days	0 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240527201	E685	27-May-2024	05-Jun-2024	365 days	9 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240527202	E685	27-May-2024	05-Jun-2024	365 days	9 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240527203	E685	27-May-2024	05-Jun-2024	365 days	9 days	✓	06-Jun-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-ECD										
Glass soil jar/Teflon lined cap										
15867240527401	E685	27-May-2024	05-Jun-2024	365 days	9 days	✓	06-Jun-2024	40 days	1 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530034	E102	30-May-2024	21-Jun-2024	365 days	22 days	✓	24-Jun-2024	28 days	3 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530035	E102	30-May-2024	21-Jun-2024	365 days	22 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530036	E102	30-May-2024	21-Jun-2024	365 days	22 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530037	E102	30-May-2024	21-Jun-2024	365 days	22 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529024	E102	29-May-2024	21-Jun-2024	365 days	23 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529026	E102	29-May-2024	21-Jun-2024	365 days	23 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529028	E102	29-May-2024	21-Jun-2024	365 days	23 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529029	E102	29-May-2024	21-Jun-2024	365 days	23 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240528007	E102	28-May-2024	21-Jun-2024	365 days	24 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240528017	E102	28-May-2024	21-Jun-2024	365 days	24 days	✓	24-Jun-2024	28 days	3 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240527001	E102	27-May-2024	21-Jun-2024	365 days	26 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : Conductivity in Soil (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240527002	E102	27-May-2024	21-Jun-2024	365 days	26 days	✓	24-Jun-2024	28 days	3 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530034	E114	30-May-2024	21-Jun-2024	365 days	22 days	✓	21-Jun-2024	365 days	22 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530035	E114	30-May-2024	21-Jun-2024	365 days	22 days	✓	21-Jun-2024	365 days	22 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530036	E114	30-May-2024	21-Jun-2024	365 days	22 days	✓	21-Jun-2024	365 days	22 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240530037	E114	30-May-2024	21-Jun-2024	365 days	22 days	✓	21-Jun-2024	365 days	22 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529024	E114	29-May-2024	21-Jun-2024	365 days	23 days	✓	21-Jun-2024	365 days	23 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529026	E114	29-May-2024	21-Jun-2024	365 days	23 days	✓	21-Jun-2024	365 days	23 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529028	E114	29-May-2024	21-Jun-2024	365 days	23 days	✓	21-Jun-2024	365 days	23 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240529029	E114	29-May-2024	21-Jun-2024	365 days	23 days	✓	21-Jun-2024	365 days	23 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240528007	E114	28-May-2024	21-Jun-2024	365 days	24 days	✓	21-Jun-2024	365 days	24 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240528017	E114	28-May-2024	21-Jun-2024	365 days	24 days	✓	21-Jun-2024	365 days	24 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240527001	E114	27-May-2024	21-Jun-2024	365 days	26 days	✓	21-Jun-2024	365 days	26 days	✓
Saturated Paste Extractables : pH by Meter (Saturated Paste)										
Glass soil jar/Teflon lined cap										
15867240527002	E114	27-May-2024	21-Jun-2024	365 days	26 days	✓	21-Jun-2024	365 days	26 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240530034	E141	30-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	22 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240530035	E141	30-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	22 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240530036	E141	30-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	22 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240530037	E141	30-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	22 days	✓

Matrix: **Soil/Solid**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240529024	E141	29-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	23 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240529026	E141	29-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	23 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240529028	E141	29-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	23 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240529029	E141	29-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	23 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240528007	E141	28-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	24 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240528017	E141	28-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	24 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240527001	E141	27-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	26 days	✓
Saturated Paste Extractables : Saturation Percentage										
Glass soil jar/Teflon lined cap										
15867240527002	E141	27-May-2024	21-Jun-2024	----	----		21-Jun-2024	0 days	26 days	✓

Legend & Qualifier Definitions

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Biota**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Mercury in Biota by CVAAS (DRY units, Routine)	E510	1517357	3	45	6.6	5.0	✓
Metals in Biota by CRC ICPMS (DRY units, Routine)	E440	1517356	3	45	6.6	5.0	✓
Moisture Content by Gravimetry	E144	1487910	3	24	12.5	5.0	✓
Silver in Biota by CRC ICPMS (DRY units, Routine)	E440.Ag	1517360	3	45	6.6	5.0	✓
Sulfur in Biota by CRC ICPMS (DRY units, Routine)	E440.S	1517359	2	24	8.3	5.0	✓
Titanium in Biota by CRC ICPMS (DRY units, Routine)	E440.Ti	1517358	3	45	6.6	5.0	✓
Laboratory Control Samples (LCS)							
Mercury in Biota by CVAAS (DRY units, Routine)	E510	1517357	6	45	13.3	10.0	✓
Metals in Biota by CRC ICPMS (DRY units, Routine)	E440	1517356	6	45	13.3	10.0	✓
Moisture Content by Gravimetry	E144	1487910	3	24	12.5	5.0	✓
Silver in Biota by CRC ICPMS (DRY units, Routine)	E440.Ag	1517360	6	45	13.3	10.0	✓
Sulfur in Biota by CRC ICPMS (DRY units, Routine)	E440.S	1517359	4	24	16.6	10.0	✓
Titanium in Biota by CRC ICPMS (DRY units, Routine)	E440.Ti	1517358	6	45	13.3	10.0	✓
Method Blanks (MB)							
Mercury in Biota by CVAAS (DRY units, Routine)	E510	1517357	3	45	6.6	5.0	✓
Metals in Biota by CRC ICPMS (DRY units, Routine)	E440	1517356	3	45	6.6	5.0	✓
Moisture Content by Gravimetry	E144	1487910	3	24	12.5	5.0	✓
Silver in Biota by CRC ICPMS (DRY units, Routine)	E440.Ag	1517360	3	45	6.6	5.0	✓
Sulfur in Biota by CRC ICPMS (DRY units, Routine)	E440.S	1517359	2	24	8.3	5.0	✓
Titanium in Biota by CRC ICPMS (DRY units, Routine)	E440.Ti	1517358	3	45	6.6	5.0	✓

Matrix: **Soil/Solid**

Evaluation: × = QC frequency outside specification; ✓ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Conductivity in Soil (Saturated Paste)	E102	1505339	1	12	8.3	5.0	✓
Moisture Content by Gravimetry	E144	1476534	3	49	6.1	5.0	✓
PCB Aroclors by GC-ECD	E685	1476411	3	51	5.8	5.0	✓
pH by Meter (Saturated Paste)	E114	1505340	1	12	8.3	5.0	✓
Saturation Percentage	E141	1505341	1	12	8.3	5.0	✓
Laboratory Control Samples (LCS)							
Conductivity in Soil (Saturated Paste)	E102	1505339	1	12	8.3	10.0	×
Moisture Content by Gravimetry	E144	1476534	3	49	6.1	5.0	✓
PCB Aroclors by GC-ECD	E685	1476411	3	51	5.8	5.0	✓
pH by Meter (Saturated Paste)	E114	1505340	1	12	8.3	10.0	×
Saturation Percentage	E141	1505341	1	12	8.3	10.0	×

Matrix: **Soil/Solid**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Method Blanks (MB)							
Conductivity in Soil (Saturated Paste)	E102	1505339	1	12	8.3	5.0	✓
Moisture Content by Gravimetry	E144	1476534	3	49	6.1	5.0	✓
PCB Aroclors by GC-ECD	E685	1476411	3	51	5.8	5.0	✓
Saturation Percentage	E141	1505341	1	12	8.3	5.0	✓
Matrix Spikes (MS)							
PCB Aroclors by GC-ECD	E685	1476411	3	51	5.8	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Moisture Content by Gravimetry	E144 ALS Environmental - Vancouver	Biota	Puget Sound Water Quality Authority/CCME PHC in Soil - Tier 1	Moisture is measured gravimetrically by drying the sample at 105°C. Moisture content is calculated as the weight loss (due to water) divided by the wet weight of the sample, expressed as a percentage.
Metals in Biota by CRC ICPMS (DRY units, Routine)	E440 ALS Environmental - Vancouver	Biota	EPA 200.3/6020B (mod)	Tissue samples are homogenized and sub-sampled prior to hotblock digestion with HNO3, HCl, and H2O2. Analysis is by Collision/Reaction Cell ICPMS. Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.
Silver in Biota by CRC ICPMS (DRY units, Routine)	E440.Ag ALS Environmental - Vancouver	Biota	EPA 200.3/6020B (mod)	Tissue samples are homogenized and sub-sampled prior to hotblock digestion with HNO3, HCl, and H2O2. Analysis is by Collision/Reaction Cell ICPMS. Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.
Sulfur in Biota by CRC ICPMS (DRY units, Routine)	E440.S ALS Environmental - Vancouver	Biota	EPA 200.3/6020B (mod)	Tissue samples are homogenized and sub-sampled prior to hotblock digestion with HNO3, HCl, and H2O2. Analysis is by Collision/Reaction Cell ICPMS. Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.
Titanium in Biota by CRC ICPMS (DRY units, Routine)	E440.Ti ALS Environmental - Vancouver	Biota	EPA 200.3/6020B (mod)	Tissue samples are homogenized and sub-sampled prior to hotblock digestion with HNO3, HCl, and H2O2. Analysis is by Collision/Reaction Cell ICPMS. Method Limitation: This method employs a strong acid/peroxide digestion, and is intended to provide a conservative estimate of bio-available metals. Near complete recoveries are achieved for most toxicologically important metals, but elements associated with recalcitrant minerals may be only partially recovered.
Mercury in Biota by CVAAS (DRY units, Routine)	E510 ALS Environmental - Vancouver	Biota	EPA 200.3/1631 Appendix (mod)	Samples are homogenized and sub-sampled prior to hotblock digestion with HNO3, HCl, and H2O2. Analysis is by CVAAS.
Conductivity in Soil (Saturated Paste)	E102 ALS Environmental - Vancouver	Soil/Solid	CSSS Ch. 15 (mod)/APHA 2510 (mod)/AER D50	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a filtered extract from a soil sample prepared using the saturated paste procedure. Conductivity measurements are temperature-compensated to 25°C.

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
pH by Meter (Saturated Paste)	E114 ALS Environmental - Vancouver	Soil/Solid	Carter-CSSS / APHA 4500 H	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C) on a soil produced by the saturated paste extraction procedure.
Saturation Percentage	E141 ALS Environmental - Vancouver	Soil/Solid	CSSS Ch. 15 (mod)/AER D50	Saturation Percentage (SP) is determined as the total volume of water present in a saturated paste (in mL) divided by the dry weight of the sample (in grams), expressed as a percentage.
Moisture Content by Gravimetry	E144 ALS Environmental - Edmonton	Soil/Solid	CCME PHC in Soil - Tier 1	Moisture is measured gravimetrically by drying the sample at 105°C. Moisture content is calculated as the weight loss (due to water) divided by the wet weight of the sample, expressed as a percentage.
PCB Aroclors by GC-ECD	E685 ALS Environmental - Edmonton	Soil/Solid	EPA 8082A (mod)	PCB Aroclors are analyzed by GC-ECD

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Metals and Mercury Biota Digestion	EP440 ALS Environmental - Vancouver	Biota	EPA 200.3	This method uses a heated strong acid digestion with HNO_3, HCl, and H_2O_2 and is intended to provide a conservative estimate of bio-available metals.
PCB Aroclors Extraction	EP685 ALS Environmental - Edmonton	Soil/Solid	EPA 3570/3550C (mod)	Samples are subsampled and PCBs are extracted with solvents using a mechanical shaking extractor.Water is added to the extract and the resulting hexane extract undergoes one or more of the following clean-up procedures (if required): florisil clean-up, silica gel clean-up, sulphur clean-up and/or sulphuric acid clean-up.

EO2404138

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120251

Page: 1 of 11

Lab Submitted to: ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y N
Company Name: Matrix Solutions inc
Contact Name: Lindsay Nifker
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15967-503
Matrix Proj. Name: Soil Sveg program
Location: SWAN Hills Treatment centre
Sampler's Name(s): L. Nifker / M. Wheatley

AFE #: PO - Q65460

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG

Other: SEE QUOTE EQ24-MS01200

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- X REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- X Additional Emails: lnifker@matrix-solutions.com

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	LRMS PCBs	A-PCB	metals	pH/EC	HOLD
1	15967240527001	plot 402		Live moss	May 27/24		1	3	X	X		X	X	X	
2	002	plot 402		LAB TEA			2	3	X	X			X		
3	003	—		live moss			1	0					X	X	
4	002	—		LAB TEA			1	0					X		
5	003	plot 29		live moss			1	1			X				
6	103	plot 29		LAB TEA			1	1			X				
7	004	plot 14		live moss			1	1			X				
8	104	plot 14		LAB TEA			1	1			X				
9	005	plot 16		live moss			1	1			X				
10	105	plot 16		LAB TEA			1	1			X				
11	006	plot 13		live moss			1	1			X				
12	106	plot 13		LAB TEA				1			X				
13	401	Field Blank		Blank			0	1				X			
14	✓ 402	Trip Blank		BLANK	✓		0	1							X
15	15967240528007	plot 123		moss	May 28/24		1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Environmental Division
Edmonton
Work Order Reference
EO2404138

Telephone : +1 780 413 5227

Relinquished by: Lindsay Nifker Date/Time: May 30/24 6pm
Signature:

Received by: SB 31-MAY-24 10:11 Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: SEND NOTE PRIOR TO ANALYZING SAMPLES

20, 23, 16
23 56, 28
17, 27

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120254

Page: 2 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: Matrix Solutions Inc
Contact Name: Lindsay Officer
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: Soil & VEG program
Location: SWAN HILLS Treatment Centre
Sampler's Name(s): L. Officer / M. Wheatley

AFE #: PO-065460

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG

Other: SEE QUOTE EQ24-MS01100

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- ✓ REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- ✓ Additional Emails: lofficer@matrix-solutions.com

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	HRMS	LRMS PCBs	A-PCB	metals	pH/EC	HOLD
1	15867240528107	plot 123	—	LAB TEA	May 28/24		2	3	X	X				X		
2	008	plot 9	—	moss			1	1				X				
3	108		—	LAB TEA			1	1				X				
4	009		—	moss			0	1				X				
5	109		—	LAB TEA			0	1				X				
6	010	plot 7	~~moss~~ 20	moss			1	1				X				
7	110	plot 7	~~LAB TEA~~ 10	LAB TEA			1	1				X				
8	011	plot 8	—	moss			1	1				X				
9	111		—	LAB TEA			1	1				X				
10	012	plot 6	—	moss	May 29/24		1	1				X				
11	112		—	LAB TEA			1	1				X				
12	013		—	moss			0	1				X				
13	113		—	LAB TEA			0	1				X				
14	014	plot 104	—	moss			1	1				X				
15	114		—	LAB TEA			1	1				X				

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay officer Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: send HASP prior to Analyzing samples

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120255

Page: 3 of 11

Lab Submitted to: ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: see p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SOIL & VEG program
Location: SWAN HILLS Treatment Centre
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins & Furans	Congener PCBs	Arams	LRMS PCBs	A-PCB	Metals	PHC/BC	HOLD
1	15867240528015	plot 1	—	moss	May 28/24		1	1				X				
2	115	↓	—	LAB TEA			1	1				X				
3	016	plot 2	—	moss			1	1				X				
4	116	↓	—	LAB TEA			1	1				X				
5	017	plot 11	—	moss			1	3	X	X			X	X	X	
6	117	↓	—	LAB TEA			2	3	X	X				✓		
7	018	plot 12	—	moss			1	1				X				
8	118	↓	—	LAB TEA			1	1				X				
9	019	plot 28	—	moss			1	1				X				
10	119	↓	—	LAB TEA			1	1				X				
11	020	plot 26	—	moss			1	1				X				
12	120	↓	—	LAB TEA			1	1				X				
13	021	plot 81	—	moss			1	1				X				
14	121	↓	—	LAB TEA	↓		1	1				X				
15	403	Field Blank	—	BLANK	↓		0	1					X			

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Miller Date/Time: May 30/24 6pm
Signature:

Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS see p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117776

Page: 8 of 11

Lab Submitted to: ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y ✓

Company Name: see p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SSV program
Location: SHIC
Sampler's Name(s): LO/MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1 ☐ BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG Other: see p.1

SERVICE REQUESTED:
- ☐ RUSH (Please ensure you contact the lab) Due Date:
- ☑ REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- ☑ Additional Emails see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins Furans	Con Gener PCBs Furans	LRMS PCBs	A-PCB	metals	pH/EC	HOLD
1	1586724 052922	plot 15	—	live moss	May 29/22		1	1			X				
2	122	plot 15	—	LAB TEA			1	1			X				
3	023	plot 121		live moss			1	1			X	X[10]			
4	123	plot 121	—	LAB TEA			1	1			X				
5	024	plot 110	—	live moss			1	3	X	X		X	X	X	
6	124	plot 110	—	LAB TEA			2	3	X	X			X		
7	025	plot 80	—	live moss			1	1			X				
8	125	plot 80	—	LAB TEA			1	1			X				
9	026	plot 4	—	live moss			1	3	X	X		X	X	X	
10	126	plot 4	—	LAB TEA			2	3	X	X			X		
11	027	—	—	live moss			0	2			X[16]				X
12	127	—	—	LAB TEA			0	2							X
13	028	plot 109	—	live moss			1	3	X	X		X	X	X	
14	128	plot 109	—	LAB TEA			2	3	X	X			X		
15	029	—	—	live moss			1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" Preserved/Filtered

Relinquished by: Lindsay Alster Date/Time: May 30/22 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: see p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117777

Page: 5 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: See p1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

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Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SQV program
Location: SATC
Sampler's Name(s): LO / MW

AFE #: See p1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: See p1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins & Furans	Condenser PCBs	Heavy PCBs	A-PCB	metals	DA/EL	HOLD
1	15867240529 129	—	LABTEA	LABTEA	May 29/24		1	3	X	X			X		
2	930	plot 5	live moss	live moss	↓		1	1			X				
3	130	plot 5	LABTEA	LABTEA			1	1			X				
4	931	plot 102	moss	live moss			1	1			X				
5	131	plot 102	LABTEA	LABTEA			1	1			X				
6	932	plot 103	live moss	live moss			1	1			X				
7	132	plot 103	LABTEA	LABTEA	↓		1	1			X				
8	404	FIELDBLANK	—	—			0	1				X			
9	15867240530 933	plot 27	live moss	live moss	May 30/24		1	1			X				
10	133	↓	LABTEA	LABTEA			1	1			X				
11	934	plot 117	—	live moss			1	3	X	X		X	X	X	
12	134	↓	—	LABTEA			2	3	X	X			X		
13	935	plot 114	—	live moss			1	3	X	X		X	X	X	
14	135	↓	↓	LABTEA			2	3	X	X		X	X		
15	936	plot 71	—	live moss			1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Miller Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 106148

Page: 6 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: see p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

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Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: 18V program
Location: SHTC
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins & Furans	Congener PCBs	HRMS PCBs	A-PCB	Metals	pH/EC	HOLD
1	15867240530136	plot 71	—	LABTEA	May 30/24		2	3	X	X			X		
2	137	plot 70	—	Lave mass			1	3	X	X		X	X	X	
3	137	↓	—	LABTEA			2	3	X	X			X		
4	038	—	—	Lave mass			0	1							X
5	138	—	—	LABTEA			0	1							X
6	405	Field Blank 04	—	—			0	1				X			
7	406	Trip Blank	—	—			0	1							X
8	407	↓	—	—			0	1							X
9															
10															
11															
12															
13															
14															
15															
						Preserved/Filtered									

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Relinquished by: Lindsay Offer Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS see p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120253

Page: 87 of 11

Lab Submitted to: ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ___ N ___

Company Name: See p.1
Contact Name:
Address:
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Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SAV program
Location: SHFC
Sampler's Name(s): LO / MW

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Lpms PCBs	1 - PCBs	HOLD
1	15867240527201	plot 402	10-0	Soil	May 27/24			1	X	X	
2	202		0-5					1	X	X	
3	203		5-15					1	X	X	
4	15867 240528204	plot 123	5-0		May 28/24			1	X	X	
5	205		0-5					1	X	X	
6	206		5-15					1	X	X	
7	207	plot 11	5-0					1	X	X	
8	208		0-5					1	X	X	
9	209		5-15					1	X	X	
10	15867240529 210	plot 110	5-0		May 29/24			1	X	X	
11	211		0-5					1	X	X	
12	212		5-15					1	X	X	
13	213	plot 4	11-0					1	X		
14	214		0-5					1	X	X	
15	215		5-15					1	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Alker Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117778

Page: 8 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N
Company Name: See p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:
AFE #:

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Matrix Project # : 15867-307
Matrix Proj. Name: TSV PROGRAM
Location: SHTC
Sampler's Name(s): LO/MW

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1 [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [✓] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [✓] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	LPM3 PCBs	A-PCBs	HOLD
1	15867240529 ~~216~~	plot 109	15-0	Soil	May29/24		0	1	X	X	
2	~~217~~	—	—				0	1	X	X	
3	~~218~~	plot 109	0-5				0	1	X	X	
4	~~219~~	—	—				0	1	X	X	
5	220	plot 109	5-15				0	1	X	X	
6	221	—	—				0	1	X	X	
7	15867240530 222	plot 117	5-0		MAY30/24		0	1	X	X	
8	223	↓	0-5				0	1	X	X	
9	224	↓	5-15				0	1	X	X	
10	225	plot 114	5-0				0	1	X	X	
11	226	↓	0-10				0	1	X	X	
12	227	↓	10-15				0	1	X	X	
13	228	plot 71	0-0				0	1	X	X	
14	229	↓	0-5				0	1	X	X	
15	230	↓	5-15	↓	↓		0	1	X	X	

Analysis Required

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Slater Date/Time: May30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: See p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117779

Page: 8 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: See p1
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Matrix Project # : 15867-507
Matrix Proj. Name: SBV PROGRAM
Location: THTC
Sampler's Name(s): LO/MW

AFE #: See p1

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG

Other: See p1

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- ✓ REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- ✓ Additional Emails: See p1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: LPAHS PCBs	A-PCBs	HOLD
1	15867 240570 231	plot 70	7-0	Soil	May 30/24		0	1	X	X	
2	232		—				0	1	~~X~~ NO		X
3	233		0-5				0	1	X	X	
4	234		—				0	1	~~X~~ NO		X
5	235		5-15				0	1	X	X	
6	236		—				0	1	~~X~~ NO		X
7											
8											
9											
10											
11											
12											
13											
14											
15											

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Nikkel Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: See p1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120252

Page: 10 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N
Company Name: See p.1
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Calgary, Alberta, Canada
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Matrix Project # : 15867-307
Matrix Proj. Name: SBV program
Location: SHC
Sampler's Name(s): LO/mw

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Metals	HOLD
1	15867 240527 301	MB24		MoSS BAG	May 27/24		1		X	
2	302	MB14					1		X	
3	303	MB9					1		X	
4	15867 2429 304	MB1			May 28/24		1		X	
5	305	MB2					1		X	
6	306	MB11					1		X	
7	307	MB19					1		X	
8	308	MB50					1		X	
9	15867 2429 309	MB26			May 29/24		1		X	
10	310	SITE 1					1		X	
11	311	SITE 9					1		X	
12	312	SITE 5					1		X	
13	313	MB15					1		X	
14	314	MB4					1		X	
15	315	MB5					1		X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Sifter Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 112100

Page: 1 of 1

Lab Submitted to : ALS
Lab Agreement no :
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Invoice to: Require Report: Y / N
Company Name: See p.1
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Calgary, Alberta, Canada
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Matrix Project # : 15967-503
Matrix Proj. Name: 3BV program
Location: 5 HTC
Sampler's Name(s): LD / MW

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] **RUSH** (Please ensure you contact the lab) **Due Date:**
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Metals	HOLD
1	15967 240530 316	MB20	—	MOSSBAG	May 30/24		1	2	X	
2	317	MB22	—	↓	↓		1	2	X	
3	318	MB71	—	↓	↓		1	2	X	
4	319	Vacuppod	—	MOSSPICK	↓		0	1	X	
5	320	MOSS	—	↓	↓		0	1	X	
6	321	↓	—	↓	↓		0	1	X	
7										
8										
9										
10										
11										
12										
13										
14										
15										

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lyn Hay Ritter **Date/Time:** May 31/24 6pm
Signature:
Received by: **Date/Time:**
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

right solutions.
right partner.

CERTIFICATE OF ANALYSIS

Work Order	: **BU2400982**	Page	: 1 of 326
Client	: **Matrix Solutions Inc.**	Laboratory	: ALS Environmental - Burlington
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 1435 Norjohn Court, Unit 1 Burlington ON Canada L7L 0E6
Telephone	: 780 989 8347	Telephone	: +1 905 331 3111
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 13:48
PO	: ----	Date Analysis Commenced	: 07-Nov-2024
C-O-C number	: ----	Issue Date	: 08-Nov-2024 15:54
Sampler	: ----		
Site	: ----		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 81		
No. of samples analysed	: 81		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Certificate of Analysis contains the following information:

- General Comments
- Analytical Results
- Surrogate Control Limits

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QC Interpretive report to assist with Quality Review and Sample Receipt Notification (SRN).

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Philip Elder	Technical Manager	Organics, Burlington, Ontario

General Comments

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Refer to the ALS Quality Control Interpretive report (QCI) for applicable references and methodology summaries. Reference methods may incorporate modifications to improve performance.
Where a reported less than (<) result is higher than the LOR, this may be due to primary sample extract/digestate dilution and/or insufficient sample for analysis.

Where the LOR of a reported result differs from standard LOR, this may be due to high moisture content, insufficient sample (reduced weight employed) or matrix interference.

Please refer to Quality Control Interpretive report (QCI) for information regarding Holding Time compliance.

Key : CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances
LOR: Limit of Reporting (detection limit).
Measurement Uncertainty: The reported uncertainties in this report are expanded uncertainties calculated using a coverage factor of 2, which gives a level of confidence of approximately 95%.
Surrogate: An analyte that is similar in behavior to target analyte(s), but that does not occur naturally in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery.

Unit	*Description*
%	percent
ng/g	nanograms per gram
ng/g wwt	nanograms per gram wet weight

>: greater than.
<: less than.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED on SRN or QCI Report, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Qualifiers

Qualifier	*Description*
[B]	*The analyte was detected in the Method Blank at >10% of the sample concentration.*
[U]	*The analyte was not detected above the EDL.*
R	*The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.*

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-3 - 15867240527003

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	85.8	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.095	-	0.095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.150 [B]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.178	-	0.178	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.224 [U]	-	0.224	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	<0.286 [U]	-	0.286	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-3 - 15867240527003

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.119	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0690	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0877 R	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.158	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.112	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.546	-	0.278	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0805	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.316	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.147	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.268	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.812	-	0.278	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.118	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0840	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.249	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.105	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-3 - 15867240527003

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.556	-	0.233	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	<0.178 [U]	-	0.178	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0674	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.117 [U]	-	0.117	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0674 [U]	-	0.0674	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.91	-	0.657	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.1	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	48.1 [R]	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	37.1	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	48.2	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	35.3	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	55.0	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	34.9	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	57.8	-	0.067	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	72.6 [R]	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.9	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	75.1	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	57.5	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.4 [R]	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	76.3	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	68.2	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-001

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-3 - 15867240527003
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.0	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	74.4	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	68.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	79.0	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	83.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	74.6	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	81.2	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	77.9	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	72.8	-	0.0674	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-4 - 15867240527103

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	37.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.105	-	0.105	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0742 [U]	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.196	-	0.196	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.246 [U]	-	0.246	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.315 [U]	-	0.315	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-4 - 15867240527103

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.306	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.306	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-4 - 15867240527103

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.257	-	0.257	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.196	-	0.196	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.128	-	0.128	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0742	-	0.0742	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.723	-	0.723	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	37.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	40.4	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	42.2	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	41.3	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	46.6	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	47.7	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	48.6	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	50.6	-	0.074	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	55.9	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	55.6 R	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	54.6	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	56.9	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	51.4	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	58.1	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	59.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-002

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-4 - 15867240527103
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.1	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	60.8	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	60.5	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	61.0	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	65.7	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	59.4	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	64.9	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	60.7	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	60.2	-	0.0742	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-5 - 15867240527004

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	62.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 005+008	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 011	2050-67-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 015	2050-68-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 018	37680-65-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 022	38444-85-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 028+031	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 041+064+068+071	n/a	0.0171	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 042+059	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 043+049	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 044	41464-39-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 047+048+075	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 052+073	n/a	0.0129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 056+060	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 061+074	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 066+080	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 070+076	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 077	32598-13-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 082	52663-62-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 083+108	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-5 - 15867240527004

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0386	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 085+120	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 086+087+111+115+116+117+125	n/a	0.0223	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 091	68194-05-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 092	52663-61-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 093+095	n/a	0.0178	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 097	41464-51-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 099	38380-01-7	0.0142 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 105+127	n/a	0.0238 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 106+118	n/a	0.0457	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 107+109	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 110	38380-03-9	0.0360	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 114	74472-37-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 123	65510-44-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 126	57465-28-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Pentachlorinated biphenyls, total	n/a	0.198	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 128+167	n/a	0.0218	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 129	55215-18-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 131+142+146+165	n/a	0.0124	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 132+168	n/a	0.0206	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 135+144	n/a	0.0117	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 136	38411-22-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 137	35694-06-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 138+163+164	n/a	0.0981	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 139+149	n/a	0.0464	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 141	52712-04-6	0.0163	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 151	52663-63-5	0.0121	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 153	35065-27-1	0.0747	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 156	38380-08-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 157	69782-90-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 158+160	n/a	0.0124 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 159	39635-35-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 169	32774-16-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Hexachlorinated biphenyls, total	n/a	0.326	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 170+190	n/a	0.0342	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 171	52663-71-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 172+192	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 174+181	n/a	0.0258	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 177	52663-70-4	0.0134	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 180	35065-29-3	0.0736	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 182+187	n/a	0.0303	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 183	52663-69-1	0.0153	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 185	52712-05-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 189	39635-31-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 191	74472-50-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 193	69782-91-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-5 - 15867240527004

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.193	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 194	35694-08-7	0.0120 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 195	52663-78-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 196+203	n/a	0.0179	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 199	52663-75-9	0.0134	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 201+204	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 202	2136-99-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 205	74472-53-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Octachlorinated biphenyls, total	n/a	0.043	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 206	40186-72-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Polychlorinated biphenyls [PCBs], total	n/a	0.760	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	51.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 003, 13C12	208263-77-8	51.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 004, 13C12	234432-86-1	52.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 015, 13C12	208263-67-6	52.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 019, 13C12	234432-87-2	57.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 037, 13C12	208263-79-0	54.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 054, 13C12	234432-88-3	58.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 081, 13C12	208461-24-9	58.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 104, 13C12	234432-89-4	64.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 105, 13C12	208263-62-1	81.2 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 114, 13C12	208263-63-2	63.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 118, 13C12	104130-40-7	67.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 123, 13C12	208263-64-3	59.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 126, 13C12	208263-65-4	50.5 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 155, 13C12	234432-90-7	66.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 156, 13C12	208263-68-7	70.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Analytical Results

BU2400982-003

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-5 - 15867240527004
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 167, 13C12	235416-30-5	69.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 169, 13C12	208263-70-1	65.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 188, 13C12	234432-91-8	70.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 202, 13C12	105600-26-8	77.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 205, 13C12	234446-64-1	68.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 206, 13C12	208263-75-6	76.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 208, 13C12	234432-92-9	72.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608
PCB 209, 13C12	105600-27-9	69.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754608

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-6 - 15867240527104

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	37.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.102	-	0.102	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0721 [U]	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.191	-	0.191	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.239 [U]	-	0.239	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.306 [U]	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-6 - 15867240527104

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.297	-	0.297	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.297	-	0.297	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-6 - 15867240527104

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.250	-	0.250	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.191	-	0.191	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.125	-	0.125	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0721	-	0.0721	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.703	-	0.703	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	48.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	50.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	49.8	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	54.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	54.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	55.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	55.8	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	60.5	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	63.9 R	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	60.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	53.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	51.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	57.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	65.0	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-004

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-6 - 15867240527104
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	65.5	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	67.5	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	62.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.6	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	64.2	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.9	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.4	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	63.7	-	0.0721	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-7 - 15867240527005
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	75.6	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0174 [B],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U],	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0174 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0133 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0214	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0171	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0220	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0390 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0404 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0454 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0104	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.226	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0172 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-7 - 15867240527005

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0840	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0175	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0384	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0134	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0228	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0097	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0352	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0556 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.122	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0100 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0710	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.497	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0453	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0224	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0346	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0211	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.195	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0858	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0340	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0238	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.167	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0228	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.670	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.0966 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0122	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0112 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0466	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0257	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.156	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0595	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0291	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-7 - 15867240527005

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.437	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0345	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0105 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0354	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.110	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.94	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	53.6 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	42.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	55.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	41.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	61.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	39.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	63.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	61.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	79.1 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	65.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	54.5 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	72.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-005

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-7 - 15867240527005
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	70.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	76.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	72.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	77.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	83.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	73.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	81.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	73.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-8 - 15867240527105

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	32.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.102	-	0.102	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0719 [U]	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.238 [U]	-	0.238	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.305 [U]	-	0.305	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-8 - 15867240527105

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.296	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.296	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-8 - 15867240527105

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.249	-	0.249	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.124	-	0.124	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0719	-	0.0719	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.700	-	0.700	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.8	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	45.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	47.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	45.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	51.0	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	50.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	52.1	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	51.9	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	57.5	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	58.2 R	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	54.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	57.4	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	50.6	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	48.7	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	56.9	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	62.9	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-006

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-8 - 15867240527105
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	62.0	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.3	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	60.1	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	67.2	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	60.6	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	67.1	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	60.1	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	60.0	-	0.0719	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-9 - 15867240527006

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	65.3	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0191 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	0.0113 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0135 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.044	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0108 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0450 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0248	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0214	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0128	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0502	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0555	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0639	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0528	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.599	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0500	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0128 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-9 - 15867240527006

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.367	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0812	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.179	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0244	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0598	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0406	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.145	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.223	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.472	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0349	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.348	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0124 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0264 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	2.20	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.187	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0291	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.113	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0371	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.893	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.431	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.155	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.111	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.695	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0857	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0213 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0965	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	3.13	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.329	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0626	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0403	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.247	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.616	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.275	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0266	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0114	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.491	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0374 R,	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-9 - 15867240527006

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.39	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.136	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0480	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.153	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.127	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0125	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0131	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.107	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.597	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0231	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.023	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	8.98	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	42.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	38.8 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	41.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	44.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	49.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	46.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	52.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	53.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	60.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	68.5 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	64.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	64.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	60.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	47.7 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	71.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	84.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-007

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-9 - 15867240527006
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	70.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	64.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	77.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	82.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	73.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	81.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	80.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	74.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-10 - 15867240527106

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.129	-	0.129	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.303 [U]	-	0.303	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.387 [U]	-	0.387	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-10 - 15867240527106

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.376	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.376	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-10 - 15867240527106

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.316	-	0.316	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.158	-	0.158	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.890	-	0.890	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	44.8	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	47.7	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	45.7	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	51.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	51.4	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	53.0	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	54.9	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	60.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	60.7 R	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	60.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	53.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	45.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	59.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	66.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-008

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-10 - 15867240527106
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	63.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	62.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	69.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.9	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	68.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-13 - 15867240528008
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.6	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0221 [B]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.026	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0173 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0210 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0151	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0175 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0282	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0316	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0589	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0162 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.188	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-13 - 15867240528008

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.101	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0194	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0404	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0174	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0284	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0425	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0595 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.133	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0107	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0858	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.551	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0462	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0249	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0407	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0252	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.214	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.103	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0374	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0280	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.186	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0219	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0205	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.748	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0140	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0109	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0519	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0271	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.181	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0652	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0320	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-13 - 15867240528008

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.382	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0343	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0105	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0349	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0271	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.107	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	0.0099	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	0.0099	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.98	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	46.9 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	36.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	46.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	35.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	51.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	36.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	57.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	75.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	61.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	47.7 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	70.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	64.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-009

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-13 - 15867240528008
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	70.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	65.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	73.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	79.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	79.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	64.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-14 - 15867240528108

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	45.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.099	-	0.099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0698 [U]	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.185	-	0.185	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.232 [U]	-	0.232	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.296 [U]	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-14 - 15867240528108

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.288	-	0.288	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.288	-	0.288	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-14 - 15867240528108

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.185	-	0.185	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.121	-	0.121	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0698	-	0.0698	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.681 [U]	-	0.681	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	46.6	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	49.6	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	46.5	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	52.9	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	51.7	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	54.4	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	55.5	-	0.070	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	59.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	60.3 [R]	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	56.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	59.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	52.3	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	51.8	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	58.3	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	67.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-010

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-14 - 15867240528108
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.4	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	65.6	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	62.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	64.9	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	71.1	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	64.2	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	64.9	-	0.0698	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-15 - 15867240528009

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0164 [B]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0122 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0155	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0178	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0113 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0158 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0270 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.100	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0127 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-15 - 15867240528009

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0797	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0150	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0308	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0114	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0220	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0322	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0339 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0895	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0639	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.391	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0299	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0176	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0185	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.144	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0780	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0267	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0182	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.133	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0156	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	0.0244	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.549	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0357	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.101	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0424	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0218	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-15 - 15867240528009

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.218	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0183	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0212	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0271 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.067	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.32	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	24.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	29.1 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	21.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	30.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	20.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	33.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	20.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	35.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	34.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	50.2 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	37.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	38.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	36.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	29.9 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	40.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	38.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-011

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-15 - 15867240528009
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	38.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	42.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	39.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	43.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	46.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	41.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	45.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	43.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	37.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-16 - 15867240528109

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	46.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.107	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0759 [U]	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.201	-	0.201	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.252 [U]	-	0.252	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.322 [U]	-	0.322	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-16 - 15867240528109

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.313	-	0.313	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.313	-	0.313	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-16 - 15867240528109

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.263	-	0.263	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.201	-	0.201	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.131	-	0.131	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0759	-	0.0759	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.740 [U],	-	0.740	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.4	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	42.6	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	44.9	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	42.3	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	46.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	47.6	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	48.0	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	50.0	-	0.076	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	53.2	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	55.6 [R],	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	51.5	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	53.8	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	48.3	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.6	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	53.1	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	59.1	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-012

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-16 - 15867240528109
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.4	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	59.0	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	58.7	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	57.1	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	62.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	57.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	64.9	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	58.4	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	58.2	-	0.0759	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-17 - 15867240528010

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	64.8	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0339	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0208 [B]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.055	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0177	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0351	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.0991 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.166	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0371 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0176 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0212	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0194 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0179 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0371	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0460	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0481 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0679 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.113	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0297 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.455	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0224	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-17 - 15867240528010

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.189	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0428	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0831	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0192 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0304	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0547	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0254	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0793	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0971	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.194	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0192 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.02	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0947	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0527	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0873	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0526	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0200	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.448	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.220	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0806	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0576	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.397	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0439	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0109	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0512 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	1.63	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0292	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0224	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.111	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0620	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.330	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.142	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0716	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0131	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-17 - 15867240528010

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.913	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0614	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0700	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0627	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.214	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	4.45	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	49.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	41.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	49.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	38.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	51.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	36.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	54.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	54.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	78.9 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	81.4 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	51.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	44.4 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	64.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	60.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-013

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-17 - 15867240528010
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	64.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	59.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	66.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	70.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	63.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	68.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	65.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	57.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-18 - 15867240528110
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.116	-	0.116	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0818 [U]	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.216	-	0.216	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.271 [U]	-	0.271	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.347 [U]	-	0.347	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-18 - 15867240528110

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.337	-	0.337	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.337	-	0.337	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-18 - 15867240528110

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.283	-	0.283	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.216	-	0.216	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.142	-	0.142	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0818	-	0.0818	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.797 [U]	-	0.797	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.3	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	50.1	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	52.6	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	48.8	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	55.5	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	52.6	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	56.5	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	55.2	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	61.7	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	60.4 [R]	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.6	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	61.1	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.7	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	50.6	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	62.0	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	63.0	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-014

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-18 - 15867240528110
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.6	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.9	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	65.1	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	65.1	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	71.2	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	64.2	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	70.0	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	64.5	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	63.8	-	0.0818	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-19 - 15867240528011

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.3	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0224 [B]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0537 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0186 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0233	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0189	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0176	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0471	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0447	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0674 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0340 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0806	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.139	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0391 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.584	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0386 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-19 - 15867240528011

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result		Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls										
PCB 084+089+090+101	n/a	0.297		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0581		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.114		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0214	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0454		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0884		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0354		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.125		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.142		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.317		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0299		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.240		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0109	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.56		-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.130		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0213		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0706		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.115		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0767		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0284		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.598		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.316		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.107		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0835		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.543		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0593		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0147		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0590		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	2.22		-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.150	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0396		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0309	R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.142		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0804		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.414		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.187		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0915		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0180		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096		-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-19 - 15867240528011

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.15	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0890	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0246	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0927	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0799	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0131 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0105	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.310	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0123	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	5.82	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	54.4 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	44.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	54.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	41.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	56.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	40.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	58.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	62.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	76.3 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	75.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	58.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.9 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	77.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	81.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-015

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-19 - 15867240528011
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	72.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	63.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	78.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	81.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	71.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	79.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	67.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-20 - 15867240528111

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.117	-	0.117	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0825 [U]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.218	-	0.218	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.274 [U]	-	0.274	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.251 [R]	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.350 [U]	-	0.350	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-20 - 15867240528111

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.136	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	0.0834	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.167	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.113	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	0.499	-	0.340	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.272	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.126	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.234	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	0.632	-	0.340	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.149	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-20 - 15867240528111

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.286	-	0.286	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.218	-	0.218	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.143	-	0.143	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0825	-	0.0825	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	1.13	-	0.804	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	42.2	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	43.9	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	46.5	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	44.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	50.2	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	50.5	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	52.2	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	54.8	-	0.082	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	60.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	59.0 R	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.9	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	61.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	62.1	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	64.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-016

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-20 - 15867240528111
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	65.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.7	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	65.6	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	71.6	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.6	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.9	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	65.8	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.0	-	0.0825	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-21 - 15867240528012

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.5	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0207 [B]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.026	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0110	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.033 [U]	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0487 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0131 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0206	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0144	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0142	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0383	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0421	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0620 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0758	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.137	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0386 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.505	-	0.065	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0368 [R]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-21 - 15867240528012

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.225	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0428	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0966	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0159	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0399	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0703	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0281	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0924	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.100 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.250	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0201 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.191	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0127 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.22	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0985	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0172	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0572	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0932	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0623	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0222	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.500	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.258	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0920	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0662	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.449	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0453	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0112	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0485	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	1.82	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.192	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0323	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0264	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.130	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0696	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.420	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.156	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0769	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0150	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-21 - 15867240528012

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.12	-	0.035	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0258	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0970	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0787	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.302	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0183	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.018	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	4.98	-	0.109	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	43.7 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	35.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	44.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	35.9	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	43.7 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	35.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	51.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	57.2	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	84.1 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.4 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	72.7 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	55.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	70.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	66.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-017

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-21 - 15867240528012
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	69.5	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	64.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	73.8	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	78.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	69.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	76.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.5	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	63.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-22 - 15867240528112
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.9	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.097	-	0.097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0689 [U]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.182	-	0.182	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.228 [U]	-	0.228	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.375 [R]	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	0.375	-	0.292	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	0.0754	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-22 - 15867240528112

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.124	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.123	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.0967	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	0.419	-	0.284	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.193	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.104	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.165	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	0.462	-	0.284	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.122	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-22 - 15867240528112

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.239	-	0.239	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.182	-	0.182	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.119	-	0.119	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0689	-	0.0689	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	1.26	-	0.671	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.9	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	42.7	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	44.6	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	43.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	47.7	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	49.1	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	48.9	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	53.7	-	0.069	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	54.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	58.6 R	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	53.3	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	57.4	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	48.4	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.8	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	53.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	58.7	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-018

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-22 - 15867240528112
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	60.8	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	62.2	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	58.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	65.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	59.8	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	66.0	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	59.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	56.5	-	0.0689	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-23 - 15867240528013
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.6	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0136	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0195 [B],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0109	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.044	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0194 [R],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0100 [U],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.0889 [R],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.108	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0327	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0256	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0179	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0181	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0459	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.107	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0824	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.137	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.209	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0777 [R],	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.753	-	0.065	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0515	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0130	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-23 - 15867240528013

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.427	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0945	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.181	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0260	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0755	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.101	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0499	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.182	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.334	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.664	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0588	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.382	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0218 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0255 R	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	2.69	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.276	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0433	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.138	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.203	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.125	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0495	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	1.22	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.531	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.195	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.152	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	1.10	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.129	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0328	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.133	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	4.33	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.453	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0822	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0682	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.302	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.179	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	1.07	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.405	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.197	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0335	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0177	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-23 - 15867240528013

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.81	-	0.035	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.200	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0596	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.218	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.184	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0186	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0253	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.706	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0313	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0100	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.031	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0100 [U]	-	0.0100	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	11.5	-	0.109	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	54.8 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	42.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	54.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	38.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	56.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	36.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	60.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	72.9 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	69.1 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	60.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	48.3 [R]	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	68.8	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	65.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-019

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-23 - 15867240528013
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	71.4	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	66.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	71.8	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	78.3	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	70.6	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	78.7	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	73.0	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	60.1	-	0.0100	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-24 - 15867240528113

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	37.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.101	-	0.101	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0717 [U]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.238 [U]	-	0.238	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.427 [R]	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	0.427	-	0.304	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-24 - 15867240528113

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.123	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.105	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.0949	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	0.323	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.165	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.0935	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.148	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	0.406	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.0803	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-24 - 15867240528113

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.248	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.190	-	0.190	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.124	-	0.124	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0717	-	0.0717	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	1.16	-	0.699	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	45.1	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	47.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	48.8	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	45.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	51.5	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	51.4	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	52.9	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	53.2	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	58.7	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	61.2 R	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.8	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	61.8	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	52.7	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	46.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	59.3	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	65.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-020

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-24 - 15867240528113
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.8	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	64.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	63.5	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.4	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.6	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.1	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.2	-	0.0717	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-25 - 15867240528014

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	73.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	0.0150 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0548	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	0.0107	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0251 [B],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0468	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.152	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0452	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0244	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0653	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	0.533 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.102 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.0180	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0301 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.381 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.260 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	1.46	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0285 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.174	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0521	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.135	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0499 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.292	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	0.0152	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.290	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.288	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0402 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.434	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.808	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.220	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	2.96	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.144	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0369	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-25 - 15867240528014

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.29	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.238	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.509	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0818	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.193	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.370	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.167	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.486	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.560	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	1.40	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	1.01	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0453	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0465 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	6.71	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.626	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0980	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.331	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.509	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.331	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.127	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	2.80	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	1.36	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.504	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.343	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	2.46	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.284	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0751	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	10.1	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.950	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.169	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.618	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.350	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	1.99	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.808	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.394	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0743	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0410 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.0877 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.102	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-25 - 15867240528014

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	5.72	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.435	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.125	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.464	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.375	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0387	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0494	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.0229	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	1.51	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0674	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	0.0100 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	0.0115	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.089	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	28.7	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	49.3 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	36.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	45.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	33.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	48.5 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	32.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	49.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	52.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	96.2 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	62.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	75.0 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	50.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	45.7 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	65.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	70.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-021

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-25 - 15867240528014
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	66.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	62.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	70.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	77.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	68.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	76.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	73.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	62.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-26 - 15867240528114

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.130	-	0.130	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	0.143	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0917 [U]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.243	-	0.243	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	0.105 [R]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.304 [U]	-	0.304	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	0.192 [R]	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	0.153	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	0.173	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	0.518	-	0.389	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-26 - 15867240528114

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.458	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	0.113	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	0.196	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	0.207	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	0.235	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	0.263	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.578	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	0.377	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	2.43	-	0.378	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	0.155	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	0.138 R	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	0.177	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	0.107	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.778	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	0.414	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	0.143	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	0.127	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.698	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	0.103	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	2.84	-	0.378	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	0.161	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	0.407	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	0.206	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	0.103	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-26 - 15867240528114

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.877	-	0.318	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.243	-	0.243	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.159	-	0.159	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0917	-	0.0917	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	6.66	-	0.894	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.3	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	43.6	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	45.7	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	43.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	49.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	49.3	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	51.0	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	52.3	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	57.0	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	58.5 R	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	59.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.7	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	50.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	60.1	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	65.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-022

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-26 - 15867240528114
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.2	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	64.8	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	65.4	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	63.2	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	70.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	63.5	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	70.2	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	63.8	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	64.6	-	0.0917	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-27 - 15867240528015

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	65.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0134	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0226 [B],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0132 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.049	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0111 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0175 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	0.0119 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0155	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.0881 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.144	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0138	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0372 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0369 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0220	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0196	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0215 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0457	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0559	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0886 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0705 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.105 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.156	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0482 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.721	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0775 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-27 - 15867240528015

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.305	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0612	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.130	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0184	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0477	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0845	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0399	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.113	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.216	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.429	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0377 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.274	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0179 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0286	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.88	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.192	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0297 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0922	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.160	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0780	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0319	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.866	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.339	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.152	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0835	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.721	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.106	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0249	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0589	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	2.94	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.370	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0606	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0525	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.217	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.834	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.267	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.135	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0252	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0145	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-27 - 15867240528015

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.10	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.168	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0524	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.183	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.142	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0137	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0162	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.575	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0245	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.024	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	8.43	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	4.9 [U]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	37.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	53.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	37.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	60.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	37.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	64.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	59.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	79.2 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	64.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	69.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	62.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	54.4 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	67.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-023

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-27 - 15867240528015
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	70.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	78.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	73.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	79.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	82.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	75.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	82.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	76.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-28 - 15867240528115

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.9	-	0.50	%	E144/BU	-	07-Nov-2024	1755121
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003	2051-62-9	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Monochlorinated biphenyls, total	n/a	<0.132	-	0.132	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004+010	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 005+008	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 006	25569-80-6	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 007+009	n/a	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 011	2050-67-1	<0.0937 [U]	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 012+013	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015	2050-68-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Dichlorinated biphenyls, total	n/a	<0.248	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 016+032	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 017	37680-66-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 018	37680-65-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019	38444-73-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 020+021+033	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 022	38444-85-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 024+027	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 025	55712-37-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 026	38444-81-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 028+031	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037	38444-90-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Trichlorinated biphenyls, total	n/a	<0.311 [U]	-	0.311	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 040	38444-93-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 041+064+068+071	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 042+059	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 043+049	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 044	41464-39-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 045	70362-45-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 046	41464-47-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 047+048+075	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 052+073	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 053	41464-41-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 056+060	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 057	70424-67-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 061+074	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 063	74472-34-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 066+080	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 070+076	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 077	32598-13-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081	70362-50-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Tetrachlorinated biphenyls, total	n/a	<0.398 [U]	-	0.398	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 082	52663-62-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 083+108	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-28 - 15867240528115

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.106	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 085+120	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 086+087+111+115+116+117+125	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 091	68194-05-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 092	52663-61-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 093+095	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 097	41464-51-1	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 099	38380-01-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105+127	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 106+118	n/a	0.0955	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 107+109	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 110	38380-03-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114	74472-37-0	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123	65510-44-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126	57465-28-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Pentachlorinated biphenyls, total	n/a	<0.386	-	0.386	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 128+167	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 129	55215-18-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 131+142+146+165	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 132+168	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 135+144	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 136	38411-22-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 137	35694-06-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 138+163+164	n/a	0.162	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 139+149	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 141	52712-04-6	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 151	52663-63-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 153	35065-27-1	0.140	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156	38380-08-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 157	69782-90-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 158+160	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 159	39635-35-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169	32774-16-6	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Hexachlorinated biphenyls, total	n/a	<0.386	-	0.386	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 170+190	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 171	52663-71-5	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 172+192	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 174+181	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 177	52663-70-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 180	35065-29-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 182+187	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 183	52663-69-1	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 185	52712-05-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 189	39635-31-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 191	74472-50-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 193	69782-91-8	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-28 - 15867240528115

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.324	-	0.324	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 194	35694-08-7	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 195	52663-78-2	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 196+203	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 199	52663-75-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 201+204	n/a	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202	2136-99-4	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205	74472-53-0	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Octachlorinated biphenyls, total	n/a	<0.248	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206	40186-72-9	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 207	52663-79-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208	52663-77-1	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Nonachlorinated biphenyls, total	n/a	<0.162	-	0.162	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209	2051-24-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Decachlorobiphenyl	2051-24-3	<0.0937	-	0.0937	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated biphenyls [PCBs], total	n/a	<0.913 [U]	-	0.913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	38.6	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 003, 13C12	208263-77-8	41.2	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 004, 13C12	234432-86-1	43.5	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 015, 13C12	208263-67-6	43.9	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 019, 13C12	234432-87-2	48.0	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 037, 13C12	208263-79-0	50.6	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 054, 13C12	234432-88-3	50.5	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 081, 13C12	208461-24-9	52.7	-	0.094	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 104, 13C12	234432-89-4	57.7	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 105, 13C12	208263-62-1	59.4 [R]	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 114, 13C12	208263-63-2	57.7	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 118, 13C12	104130-40-7	60.3	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 123, 13C12	208263-64-3	54.7	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 126, 13C12	208263-65-4	51.0	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 155, 13C12	234432-90-7	60.4	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 156, 13C12	208263-68-7	62.6	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Analytical Results

BU2400982-024

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-28 - 15867240528115
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.8	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 167, 13C12	235416-30-5	63.6	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 169, 13C12	208263-70-1	63.0	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 188, 13C12	234432-91-8	63.9	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 202, 13C12	105600-26-8	69.3	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 205, 13C12	234446-64-1	62.5	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 206, 13C12	208263-75-6	69.5	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 208, 13C12	234432-92-9	64.8	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619
PCB 209, 13C12	105600-27-9	62.2	-	0.0937	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754619

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-29 - 15867240528016

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0161	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.030	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0108	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.109 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.158	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0116 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0480 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0146 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0374	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0262	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0221	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0721	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0957	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0848	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0166 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.136	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.219	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0574	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.842	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0472	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0135 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-29 - 15867240528016

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.426	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0801	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.170	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0285	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0658	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.112	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0521	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.490	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0441	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.328	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0186 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	2.27	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.199	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0300	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.103	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.170	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.100	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0380	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.885	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.422	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.160	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.100	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.778	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0957	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0235	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0960	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	3.20	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.308	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0594	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0503	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.218	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.124	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.762	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.287	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0246	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-29 - 15867240528016

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.97	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.149	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.110 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.157	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0124	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0158	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.570	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0229	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.023	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	9.06	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	56.5 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	43.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	56.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	39.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	61.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	38.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	64.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	61.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	86.2 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	68.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	76.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	63.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	53.4 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	72.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	72.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-025

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-29 - 15867240528016
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	76.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	72.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	77.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	85.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	75.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	85.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	76.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-30 - 15867240528116

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.129	-	0.129	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.242 [U]	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.303 [U]	-	0.303	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.196 [R]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.387 [U]	-	0.387	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-30 - 15867240528116

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.220	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.0932	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.106	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.104	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.102	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.200	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	0.158	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	0.983	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.345	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.203	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.312	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	0.860	-	0.376	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	0.155	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0913 [U]	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-30 - 15867240528116

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.316 [U]	-	0.316	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.242	-	0.242	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.158	-	0.158	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0913	-	0.0913	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	1.84	-	0.890	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.2	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	52.9	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	49.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	56.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	50.5	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	56.3	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	52.4	-	0.091	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	65.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	57.9 [R]	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	59.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	68.8	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	50.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	48.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.3	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	61.4	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-026

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-30 - 15867240528116
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.9	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	63.6	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	60.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	68.7	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	67.0	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	73.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	71.2	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	67.5	-	0.0913	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-33 - 15867240528018

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	59.2	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	0.915 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	0.915	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0111	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	0.0115	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0118 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.034	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0849	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0145	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0247 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	0.0150 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	3.21 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.214 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	0.0130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.0100 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0711	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.198 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.527 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	4.38	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0102 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0829 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0509 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0292	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0193 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0881	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0183	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0702	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0670	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.238	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.275	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.208	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.234	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	0.0655	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	1.47	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0271	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-33 - 15867240528018

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.242	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0483	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.102	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0145	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0362	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0642	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0268	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0933	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0936 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.402	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0267	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.203	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.486	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	0.0451	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.0144 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.92	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.191	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0250	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.155	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0860	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	0.0458	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0340	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.909	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.360	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.144	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0917	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.706	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0746	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0232	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.702	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	0.0101	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	3.56	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.273	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0482	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0392	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.174	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0973	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.616	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.231	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.113	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0211	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0146 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.461	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.484	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-33 - 15867240528018

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.57	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.137	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0406	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.150	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0142	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0150	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.106	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.580	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0197	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.020	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	15.4	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	44.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	51.9 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	38.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	52.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	36.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	53.1 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	35.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	56.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	55.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	194 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	76.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	61.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	60.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	53.1 [R]	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	72.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	81.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-027

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-33 - 15867240528018
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	73.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	66.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	76.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	82.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	80.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	76.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-34 - 15867240528118

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.136	-	0.136	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.254 [U]	-	0.254	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.319 [U]	-	0.319	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.408 [U]	-	0.408	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-34 - 15867240528118

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.397 [U]	-	0.397	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.160	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.102	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.156	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	0.418	-	0.397	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0962 [U]	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-34 - 15867240528118

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.333 [U]	-	0.333	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.254	-	0.254	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.167	-	0.167	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0962	-	0.0962	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.938 [U]	-	0.938	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.4	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	49.6	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	50.7	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	49.2	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	54.6	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	52.4	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	56.0	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	55.3	-	0.096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	65.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	59.6 [R]	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	59.8	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	62.7	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	57.6	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	50.7	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.3	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	63.4	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-028

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-34 - 15867240528118
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	66.0	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	65.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	62.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	68.9	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.9	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	65.0	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	71.5	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	68.3	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	64.9	-	0.0962	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-35 - 15867240528019

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	64.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.026	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.033 [U]	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0203 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0103 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0154	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0141	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0298	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.119	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0141 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-35 - 15867240528019

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0505	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0313	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0180	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0230	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0260 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0593	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0447	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.280	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0263	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0180 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0155	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.107	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0518	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0143	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.0880	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.390	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0288 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0160	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.0763	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0317	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0170	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-35 - 15867240528019

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.170	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0176	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0321 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0182	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.068	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U],	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	1.03	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	46.9 R,	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	36.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	43.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	34.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	49.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	35.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	57.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	57.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	87.4 R,	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	62.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	66.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	57.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	49.9 R,	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	66.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	68.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-029

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-35 - 15867240528019
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	73.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	72.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	80.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	80.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	72.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	60.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-36 - 15867240528119

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	39.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.102	-	0.102	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.192 [U]	-	0.192	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.240 [U]	-	0.240	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.307 [U]	-	0.307	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-36 - 15867240528119

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.298 [U]	-	0.298	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.298	-	0.298	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0724 [U]	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-36 - 15867240528119

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.251 [U]	-	0.251	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.192	-	0.192	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.125	-	0.125	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0724	-	0.0724	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.705 [U]	-	0.705	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.7	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	50.8	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	53.1	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	49.8	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	55.3	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	53.6	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	55.7	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	54.7	-	0.072	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	64.5	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	58.7 [R]	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	59.5	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	61.8	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	58.6	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	45.3	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.0	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	62.0	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-030

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-36 - 15867240528119
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	66.1	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	65.2	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	61.3	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	69.2	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	74.1	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	65.4	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	72.2	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	69.4	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	65.9	-	0.0724	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-37 - 15867240528020

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.3	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.013 [U]	-	0.013	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0193 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0146 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0132	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0269 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0254 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0210 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0284 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.149	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0160 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-37 - 15867240528020

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0327	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0223	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0148	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0146	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0155 R	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0393	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0247 R	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.180	-	0.039	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0176	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0122	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0159	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0105	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.0739	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0365	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0133	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0104	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.0600	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0097	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.260	-	0.039	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0189	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0113	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.0555	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0203	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0099	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-37 - 15867240528020

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.116	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0151 [R]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0181	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0129	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.046	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.016 [U]	-	0.016	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0095 [U]	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0095	-	0.0095	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	0.751	-	0.105	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	44.2 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	37.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	45.1	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	37.3	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	49.3 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	37.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	54.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	55.7	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	90.4 [R]	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	59.5	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	62.2	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	56.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	47.0 [R]	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	64.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	58.1	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-031

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-37 - 15867240528020
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	66.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	62.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	68.1	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	73.5	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	65.6	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	71.4	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	68.0	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	53.8	-	0.0095	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-38 - 15867240528120

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	33.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.131	-	0.131	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.244 [U]	-	0.244	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.306 [U]	-	0.306	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.392 [U]	-	0.392	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-38 - 15867240528120

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.381 [U]	-	0.381	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.381	-	0.381	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-38 - 15867240528120

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.320 [U]	-	0.320	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.244 [U]	-	0.244	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.160	-	0.160	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0924	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0924 [U]	-	0.0924	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.900 [U]	-	0.900	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.7	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.1 [R]	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.0	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	51.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	56.8	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	55.5	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	58.4	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	55.2	-	0.092	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	68.9	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	61.8 [R]	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	65.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	69.9	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	61.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	51.3	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	73.2	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	68.0	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-032

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-38 - 15867240528120
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	68.6	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	69.0	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	63.5	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	74.7	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	79.2	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	64.7	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	70.6	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	69.8	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	63.5	-	0.0924	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-39 - 15867240528021

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	71.4	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	<0.025	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0152 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0198 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0133 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0143 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0107 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.085	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-39 - 15867240528021

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0286	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0169 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0106	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0148 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0158 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.0276	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0219	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	0.136	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0129	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.0518	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.0274	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.0425	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	0.146	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.0308 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0136	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.0393	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0164	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-39 - 15867240528021

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.100	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0107 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0111	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	<0.025 [U]	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0096	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	0.467	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	46.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	35.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	45.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	32.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	47.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	32.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	53.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	53.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	75.4 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	57.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	62.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	55.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	46.3 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	64.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	56.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-033

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-39 - 15867240528021
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	67.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	62.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	69.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	74.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	67.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	68.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	56.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-40 - 15867240528121

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	42.3	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.119	-	0.119	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.223 [U]	-	0.223	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.280 [U]	-	0.280	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.358 [U]	-	0.358	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-40 - 15867240528121

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.348 [U]	-	0.348	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.348	-	0.348	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-40 - 15867240528121

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.292 [U]	-	0.292	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.223 [U]	-	0.223	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.146	-	0.146	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0843	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0843 [U]	-	0.0843	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.822 [U]	-	0.822	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	50.2	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.3	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.3	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	50.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	57.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	54.9	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	58.4	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	55.7	-	0.084	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	68.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	61.0 [R]	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	61.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	68.6	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	56.1	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	49.6	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	70.4	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	66.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-034

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-40 - 15867240528121
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	67.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	64.1	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	71.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	74.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	67.0	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	75.0	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	70.3	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	66.8	-	0.0843	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-41 - 15867240529022

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	61.9	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0244	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.047	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0194	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0119 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0309	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0287	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0139 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.159 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.264	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0566 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0165 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0386	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0328	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0228	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0713	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0866	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0825	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.125	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.230	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0696 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.832	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0420	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0099 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-41 - 15867240529022

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.365	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0670	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.156	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0231 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0577	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0979	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0386	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.229	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.565	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0442	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.313	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0259	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	2.17	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.241	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0386	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.111	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0996	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0450	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	1.05	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.427	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.183	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.107	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.836	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.138	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0358	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.116	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	3.62	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.453	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0663	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0582	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.266	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.142	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.869	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.315	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.156	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0292	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.0220 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.0466 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.0398	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-41 - 15867240529022

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.46	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.200	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0594	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.202	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.160	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.0200	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.0199 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.682	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0327	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.033	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	10.1	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	36.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	41.7 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	34.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	42.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	32.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	48.2 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	33.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	53.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	53.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	88.5 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	61.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	56.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	46.8 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	65.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	60.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-035

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-41 - 15867240529022
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	70.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	65.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	71.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	77.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	71.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	79.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	75.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	59.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-42 - 15867240529122

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	40.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.111	-	0.111	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.207 [U]	-	0.207	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.260 [U]	-	0.260	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.333 [U]	-	0.333	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-42 - 15867240529122

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0814	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.114	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	0.0829	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.323 [U]	-	0.323	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.179	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.0931	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.156	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	0.428	-	0.323	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	0.125	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-42 - 15867240529122

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.272 [U]	-	0.272	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.207 [U]	-	0.207	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.136	-	0.136	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0784	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0784 [U]	-	0.0784	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.764 [U]	-	0.764	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	46.2	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	48.6	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	45.6	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	52.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	51.3	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	54.0	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	51.0	-	0.078	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	65.1	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	58.6 [R]	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	60.2	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	65.5	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	54.5	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	47.4	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.2	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	64.3	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-036

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-42 - 15867240529122
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.3	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	64.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	61.1	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	68.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.5	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	63.2	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	70.1	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	65.7	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	61.8	-	0.0784	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-43 - 15867240529023

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	66.3	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.156 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	0.280 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	0.436	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0645 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	0.0303 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	3.63 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	3.72	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	1.43 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0814 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0449 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	0.515	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.154 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	0.344 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.551	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	2.65 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.508	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.0918 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	6.37	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0317	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0196	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0103	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0161	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0352	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0280	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0299 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0245	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0283	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.0572	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.0643	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0148	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.383	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.121	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.0218	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-43 - 15867240529023

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.105	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0200	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.0458	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0348	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0170	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0345	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.0420	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.0498	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.150	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.157	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.0840	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.142	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	0.173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0098 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.21	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.0507	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.294	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0269	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.0427	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0271	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	0.0165	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0141	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.246	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.106	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.0411	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0253	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.189	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0156	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0173	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.190	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	0.0388	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	0.0713	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	1.41	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	2.11 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0150	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.187	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.0568	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0311	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.192	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.0724	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.0340	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.144	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.151	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-43 - 15867240529023

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	2.99	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.0395	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0138 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.0420	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0346	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.0300	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.160	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0098	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	16.7	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	56.1 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	44.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	55.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	43.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	63.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	42.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	64.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	62.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	2.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	78.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	66.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	65.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	9.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	87.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-037

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-43 - 15867240529023
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	70.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	75.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	77.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	82.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	72.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	80.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	75.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	72.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-44 - 15867240529123

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	35.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.112	-	0.112	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.210 [U]	-	0.210	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.264 [U]	-	0.264	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.337 [U]	-	0.337	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-44 - 15867240529123

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.328 [U]	-	0.328	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.328	-	0.328	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-44 - 15867240529123

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.275 [U]	-	0.275	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.210 [U]	-	0.210	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.138	-	0.138	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0795	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0795 [U]	-	0.0795	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.775 [U]	-	0.775	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.4	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	51.5	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.5	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	51.8	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	57.9	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	55.0	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	58.8	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	56.5	-	0.080	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	67.5	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	61.6 [R]	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	60.6	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	65.2	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	56.6	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	50.0	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.1	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	64.6	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-038

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-44 - 15867240529123
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	64.8	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	65.3	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	59.7	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	69.1	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	73.4	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	65.4	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	71.9	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	70.2	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	62.7	-	0.0795	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-47 - 15867240529025

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	54.8	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.0237	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0112 [B],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.0138 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.049	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.0240	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0133 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.0248 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.0318	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0230 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	0.133 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	0.250	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.0878 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.0405 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.0335	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.0259	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.0275 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.0612	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	0.0649	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.0978 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0554 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	0.106	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.0411	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	<0.0500	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	0.807	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.0372 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-47 - 15867240529025

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result		Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls										
PCB 084+089+090+101	n/a	0.229		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.0450		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	0.101		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.0153	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.0419	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	0.0712		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.0237		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	0.102		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	0.120	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	0.376		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.0264	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	0.187		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.0182	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	1.39		-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	0.137		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.0218		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	0.0789		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	0.133		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	0.0809		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.0288		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	0.694		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	0.331		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	0.119		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	0.0979		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	0.589		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	0.0733		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.0162		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	0.0780	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	2.48		-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	0.167	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.0454		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.0353		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	0.168		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	0.0932		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	0.516		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	0.220		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	0.105		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.0217		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	<0.0099		-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.0364	R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-47 - 15867240529025

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.41	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	0.145 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.0186 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	0.113	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	0.0724	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.0145 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	0.364	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.0152	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	<0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	6.75	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	44.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	48.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	41.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	52.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	43.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	54.9 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	40.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	55.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	58.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	109 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	63.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	67.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	56.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	46.9 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	70.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	57.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-039

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-47 - 15867240529025
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	61.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	65.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	59.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	71.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	74.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	62.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	67.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	63.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-48 - 15867240529125

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.106	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.198 [U]	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.248 [U]	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.317 [U]	-	0.317	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-48 - 15867240529125

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0870 [R]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.0839	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.308 [U]	-	0.308	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	0.122	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.0909	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.308	-	0.308	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-48 - 15867240529125

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.259	-	0.259	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.198 [U]	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.129	-	0.129	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0747	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0747 [U]	-	0.0747	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.728 [U]	-	0.728	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.7	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	42.6	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	44.7	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	42.6	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	48.2	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	43.5	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	49.6	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	44.2	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	57.1	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	48.9 [R]	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	53.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	58.8	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	49.9	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	43.3	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	63.2	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	57.9	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-040

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-48 - 15867240529125
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.9	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	58.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	54.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	63.5	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	67.1	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	58.0	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	64.3	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	61.5	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	57.2	-	0.0747	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-55 - 15867240529030

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	66.5	-	0.50	%	E144/BU	-	07-Nov-2024	1754820
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0144	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003	2051-62-9	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Monochlorinated biphenyls, total	n/a	0.014	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004+010	n/a	0.0347 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 005+008	n/a	0.176	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 006	25569-80-6	0.0320	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 007+009	n/a	0.0163	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 011	2050-67-1	0.0135 [B],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 012+013	n/a	0.0194	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015	2050-68-2	0.155 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Dichlorinated biphenyls, total	n/a	0.447	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 016+032	n/a	0.155	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 017	37680-66-3	0.0865	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 018	37680-65-2	0.215	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019	38444-73-4	0.0188	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 020+021+033	n/a	1.44 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 022	38444-85-8	0.300 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 024+027	n/a	0.0247 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 025	55712-37-3	0.0537 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 026	38444-81-4	0.0832 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 028+031	n/a	1.09 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037	38444-90-5	0.472 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Trichlorinated biphenyls, total	n/a	3.94	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 040	38444-93-8	0.0836 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 041+064+068+071	n/a	0.514	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 042+059	n/a	0.153	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 043+049	n/a	0.447	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 044	41464-39-5	0.399	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 045	70362-45-7	0.0321	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 046	41464-47-5	0.0194 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 047+048+075	n/a	0.227	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 052+073	n/a	0.881	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 053	41464-41-9	0.0441	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 056+060	n/a	1.02	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 057	70424-67-8	<0.0097	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 061+074	n/a	0.953	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 063	74472-34-7	0.0773 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 066+080	n/a	1.50	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 070+076	n/a	2.64	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 077	32598-13-3	0.577	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081	70362-50-4	0.0716	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Tetrachlorinated biphenyls, total	n/a	9.64	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 082	52663-62-4	0.470	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 083+108	n/a	0.170	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-55 - 15867240529030

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result		Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls										
PCB 084+089+090+101	n/a	4.59		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 085+120	n/a	0.926		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 086+087+111+115+116+117+125	n/a	2.01		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 091	68194-05-8	0.274		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 092	52663-61-3	0.715		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 093+095	n/a	1.38		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 097	41464-51-1	0.614		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 099	38380-01-7	1.79		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105+127	n/a	2.47		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 106+118	n/a	6.24		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 107+109	n/a	0.514		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 110	38380-03-9	3.92		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114	74472-37-0	0.320	R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123	65510-44-3	<0.0097		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126	57465-28-8	0.188	R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Pentachlorinated biphenyls, total	n/a	26.6		-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 128+167	n/a	2.60		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 129	55215-18-4	0.391		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 131+142+146+165	n/a	1.26		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 132+168	n/a	2.26		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 135+144	n/a	1.30		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 136	38411-22-2	<0.0097		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 137	35694-06-5	0.505		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 138+163+164	n/a	11.9		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 139+149	n/a	5.38		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 141	52712-04-6	2.16		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 151	52663-63-5	1.55		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 153	35065-27-1	9.69		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156	38380-08-4	1.44		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 157	69782-90-7	0.333		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 158+160	n/a	1.13		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 159	39635-35-3	<0.0097		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169	32774-16-6	0.0143	R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Hexachlorinated biphenyls, total	n/a	41.9		-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 170+190	n/a	4.39		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 171	52663-71-5	0.812		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 172+192	n/a	0.621		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 174+181	n/a	3.09		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 177	52663-70-4	1.69		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 180	35065-29-3	9.26		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 182+187	n/a	3.70		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 183	52663-69-1	1.84		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 185	52712-05-7	0.372		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 189	39635-31-9	0.159		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 191	74472-50-7	0.191		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 193	69782-91-8	0.404		-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-55 - 15867240529030

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	26.5	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 194	35694-08-7	2.00	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 195	52663-78-2	0.620	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 196+203	n/a	2.21	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 199	52663-75-9	1.71	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 201+204	n/a	0.172	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202	2136-99-4	0.227	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205	74472-53-0	0.108	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Octachlorinated biphenyls, total	n/a	7.05	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206	40186-72-9	0.340	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 207	52663-79-3	0.0473	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208	52663-77-1	0.0495	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Nonachlorinated biphenyls, total	n/a	0.437	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209	2051-24-3	0.0720 R	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Decachlorobiphenyl	2051-24-3	0.0720	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated biphenyls [PCBs], total	n/a	117	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	41.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 003, 13C12	208263-77-8	48.5 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 004, 13C12	234432-86-1	39.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 015, 13C12	208263-67-6	53.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 019, 13C12	234432-87-2	40.6	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 037, 13C12	208263-79-0	57.7 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 054, 13C12	234432-88-3	40.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 081, 13C12	208461-24-9	60.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 104, 13C12	234432-89-4	62.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 105, 13C12	208263-62-1	95.2 R	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 114, 13C12	208263-63-2	67.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 118, 13C12	104130-40-7	72.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 123, 13C12	208263-64-3	61.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 126, 13C12	208263-65-4	51.7 R	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 155, 13C12	234432-90-7	74.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 156, 13C12	208263-68-7	62.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Analytical Results

BU2400982-041

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-55 - 15867240529030
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 167, 13C12	235416-30-5	71.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 169, 13C12	208263-70-1	66.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 188, 13C12	234432-91-8	76.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 202, 13C12	105600-26-8	80.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 205, 13C12	234446-64-1	70.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 206, 13C12	208263-75-6	78.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 208, 13C12	234432-92-9	74.6	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769
PCB 209, 13C12	105600-27-9	70.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754769

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-56 - 15867240529130

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.096	-	0.096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.179 [U]	-	0.179	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	0.104 [R]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	0.292	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	0.396	-	0.225	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	0.139	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	0.127	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	0.146	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	0.114	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.428	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	0.295	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	0.283	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	0.532	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	0.590	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	0.263 [R]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	2.92	-	0.288	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	0.139	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-56 - 15867240529130

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.52	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	0.361	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.673	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	0.0901	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	0.306	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.664	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	0.199	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.720	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.881	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	1.88	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	0.156 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	1.26	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	8.85	-	0.280	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	0.532	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	0.102	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	0.337	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	0.643	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	0.380	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	0.118	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	2.80	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	1.43	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	0.501	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	0.437	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	2.45	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	0.170	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	0.317	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	10.2	-	0.280	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	0.228 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	0.143	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	0.0908	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	0.589	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	0.308	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	1.40	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	0.734	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	0.359	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-56 - 15867240529130

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.85	-	0.235	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	0.134 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	0.296 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	0.218 R	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	0.648	-	0.179	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.117	-	0.117	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0678	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0678 [U]	-	0.0678	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	26.9	-	0.661	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.8	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	52.1	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	54.0	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	52.6	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	59.7	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	54.9	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	59.7	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	54.5	-	0.068	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	68.3	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	60.0 R	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	61.9	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	67.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	58.5	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	49.5	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	72.2	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	67.7	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-042

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-56 - 15867240529130
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.1	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	66.5	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	62.1	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	72.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	76.6	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	66.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	72.7	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	69.1	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	64.4	-	0.0678	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-57 - 15867240529031

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	76.9	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0168	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0620	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0110	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	0.0127 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0512 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.154	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0483	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0271 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0570	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	1.25 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0814 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0113 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0100 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0262 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.364 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.438 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	2.31	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0232 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.142	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0374	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.118	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.129	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0100	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0526	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.277	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.339	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.289	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0274 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.500	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.927	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.232	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U],	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	3.12	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.178	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0504 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-57 - 15867240529031

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.52	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.326	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.734	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0966	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.231	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.572	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.248	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.572	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.936	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	2.50	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.186	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	1.59	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0757	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0663 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	9.88	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	1.01	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.176	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.566	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.888	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.466	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.191	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	4.49	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	1.97	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.790	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.529	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	3.41	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.576	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.131	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.459	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	0.0145 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	15.7	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	1.63	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.313	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.227	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	1.22	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.665	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	3.33	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	1.33	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.637	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.132	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0504	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0306 [R],	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.198	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-57 - 15867240529031

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	9.76	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.703	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.379 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.701	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.590	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0592	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0763	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0255 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	2.53	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.113	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0149 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0146	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.142	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0144	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0144	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	43.6	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	37.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	42.7 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	38.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	40.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	42.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	40.8 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	44.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	48.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	51.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	86.3 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	55.7	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	60.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	50.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	42.1 R	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	56.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	64.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-043

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-57 - 15867240529031
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	60.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	63.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	61.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	64.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	64.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	73.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	68.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	54.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-58 - 15867240529131

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	57.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.106	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.198 [U]	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	0.144	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.248 [U]	-	0.248	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	0.0766	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.234	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	0.122	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	0.125	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	0.238	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	0.281	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	0.118 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	1.19	-	0.318	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-58 - 15867240529131

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.718	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	0.169	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.329 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	0.142 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.336	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	0.101 [R]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.303	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.335	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	0.740	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	0.541	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	3.71	-	0.309	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	0.208	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	0.137	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	0.258	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	0.174	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	1.14	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	0.639	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	0.206	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	0.201	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	0.986	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	0.129	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	4.08	-	0.309	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	0.163	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	0.236	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	0.109	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	0.494	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	0.286	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	0.138	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0749 [U]	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	0.369	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-58 - 15867240529131

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.80	-	0.259	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	0.156 R,	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	0.0951 R,	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	0.251	-	0.198	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.130	-	0.130	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0749	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0749 [U],	-	0.0749	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	11.0	-	0.730	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.8	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	45.1	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	46.4	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	45.1	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	50.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	49.2	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	50.9	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	51.5	-	0.075	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	61.2	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	53.8 R,	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	58.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	63.4	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	54.2	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	46.6	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	67.1	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	61.9	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-044

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-58 - 15867240529131
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.5	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	63.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	59.6	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	67.8	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	72.0	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	60.4	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	64.9	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	61.9	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	57.4	-	0.0749	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-59 - 15867240529032

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	67.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0248 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	0.0830 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	0.108	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0583	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.286	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0551	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0300	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	0.0181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	0.0267	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.233 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.707	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.235	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.117	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.310	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0269	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	2.44 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.323	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0347	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0833	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0848	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	1.41 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	1.02 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	6.08	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.120	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.678	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.200	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.634	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.726	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0454	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	0.0251	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.309	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	1.31	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0555	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	1.52	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	1.32	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0828	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	2.17	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	4.04	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.713	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	0.110	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	14.0	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.774	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.244	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-59 - 15867240529032

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	6.20	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	1.33	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	2.98	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.399	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.916	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	2.24	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	1.02	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	2.42	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	3.83	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	9.10	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.735	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	5.99	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.320	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.251	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	38.7	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	3.58	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.621	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	2.01 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	2.91	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	1.60	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0096 [U],	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.711	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	15.6	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	6.84	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	2.72	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	1.72	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	11.7	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	1.81	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.435	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	1.67	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	0.445	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	0.0108 R,	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	54.4	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	6.76	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	1.19	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.826	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	4.42	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	2.53	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	12.1	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	4.83	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	2.34	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.494	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.227	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.273	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.560	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-59 - 15867240529032

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	36.6	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	2.96	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.959	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	3.07	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	2.51	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.221	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.298	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.138	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	10.2	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.497	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0587	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0691	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.625	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0855	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0855	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	162	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	43.2 R,	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	39.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	40.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	42.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	39.0 R,	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	43.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	44.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	52.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	72.3 R,	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	56.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	57.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	50.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	40.8 R,	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	59.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	60.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-045

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-59 - 15867240529032
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	59.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	61.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	56.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	65.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	72.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	64.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	75.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	69.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	66.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-60 - 15867240529132

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	36.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.139	-	0.139	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.260 [U]	-	0.260	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	0.254	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.325 [U]	-	0.325	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	0.118	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	0.137	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	0.121	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	0.110	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	0.472 [R]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	0.230	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	0.195	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	0.422	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	0.514	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	0.180	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	2.50	-	0.416	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	0.121 [R]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-60 - 15867240529132

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.36	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	0.297	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	0.592	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	0.215	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	0.569	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	0.187	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	0.574	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	0.713	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	1.44	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	0.128	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	1.09	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	7.29	-	0.404	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	0.439	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	0.257	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	0.511	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	0.273	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	2.23	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	1.12	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	0.375	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	0.309	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	1.82	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	0.155	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	0.278	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	7.77	-	0.404	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	0.396	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	0.114	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	0.483	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	0.231	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	1.05	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	0.539	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	0.271	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-60 - 15867240529132

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.08	-	0.340	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	0.149 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	0.217 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	0.222 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	0.117 R	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	0.705	-	0.260	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.170	-	0.170	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0981	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0981 [U]	-	0.0981	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	21.3	-	0.956	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.5	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	41.5	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	43.7	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	42.9	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	47.7	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	46.2	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	48.2	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	48.5	-	0.098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	58.9	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	53.3 R	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	54.3	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	58.8	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	50.3	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	43.6	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	61.8	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	57.9	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-046

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-60 - 15867240529132
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	56.5	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	57.0	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	54.0	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	62.6	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	65.2	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	56.6	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	61.7	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	59.5	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	55.7	-	0.0981	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-61 - 15867240530033

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0155	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0102 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.026	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0149 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.0748 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.090	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0166 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0132 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0367	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0526	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0468 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0177 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0784	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.107	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0324 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.435	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0186 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-61 - 15867240530033

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.136	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0306	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.0645	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0196	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0473	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0547	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.0840	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.260	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0154	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0098 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.887	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.0893	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0156 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0553	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0775	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.0433	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0179	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.409	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.181	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.0702	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0464	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.325	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0424	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0102	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0429	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	1.43	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.170	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0275	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0206	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.112	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0587	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.312	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.122	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0606	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0112	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0254 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-61 - 15867240530033

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.920	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.0704	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0227 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0744	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0603	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0116 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.239	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	4.03	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	47.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	48.6 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	48.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	50.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	57.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	52.0 R	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	60.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	60.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	135 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	75.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	76.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	66.3	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	57.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	74.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	77.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-047

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-61 - 15867240530033
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	75.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	76.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	71.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	80.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	86.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	74.6	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	83.7	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	77.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	61.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-62 - 15867240530133

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	26.5	-	0.50	%	E144/BU	-	07-Nov-2024	1755216
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003	2051-62-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Monochlorinated biphenyls, total	n/a	<0.126	-	0.126	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004+010	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 005+008	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 006	25569-80-6	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 007+009	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 011	2050-67-1	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 012+013	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015	2050-68-2	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Dichlorinated biphenyls, total	n/a	<0.236 [U]	-	0.236	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 016+032	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 017	37680-66-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 018	37680-65-2	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019	38444-73-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 020+021+033	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 022	38444-85-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 024+027	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 025	55712-37-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 026	38444-81-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 028+031	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037	38444-90-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Trichlorinated biphenyls, total	n/a	<0.296 [U]	-	0.296	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 040	38444-93-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 041+064+068+071	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 042+059	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 043+049	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 044	41464-39-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 045	70362-45-7	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 046	41464-47-5	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 047+048+075	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 052+073	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 053	41464-41-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 056+060	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 057	70424-67-8	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 061+074	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 063	74472-34-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 066+080	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 070+076	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 077	32598-13-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081	70362-50-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Tetrachlorinated biphenyls, total	n/a	<0.378 [U]	-	0.378	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 082	52663-62-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 083+108	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-62 - 15867240530133

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 085+120	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 086+087+111+115+116+117+125	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 091	68194-05-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 092	52663-61-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 093+095	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 097	41464-51-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 099	38380-01-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105+127	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 106+118	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 107+109	n/a	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 110	38380-03-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114	74472-37-0	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123	65510-44-3	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126	57465-28-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Pentachlorinated biphenyls, total	n/a	<0.367 [U]	-	0.367	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 128+167	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 129	55215-18-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 131+142+146+165	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 132+168	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 135+144	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 136	38411-22-2	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 137	35694-06-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 138+163+164	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 139+149	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 141	52712-04-6	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 151	52663-63-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 153	35065-27-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156	38380-08-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 157	69782-90-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 158+160	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 159	39635-35-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169	32774-16-6	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Hexachlorinated biphenyls, total	n/a	<0.367	-	0.367	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 170+190	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 171	52663-71-5	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 172+192	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 174+181	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 177	52663-70-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 180	35065-29-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 182+187	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 183	52663-69-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 185	52712-05-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 189	39635-31-9	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 191	74472-50-7	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 193	69782-91-8	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-62 - 15867240530133

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.309	-	0.309	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 194	35694-08-7	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 195	52663-78-2	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 196+203	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 199	52663-75-9	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 201+204	n/a	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202	2136-99-4	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205	74472-53-0	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Octachlorinated biphenyls, total	n/a	<0.236 [U]	-	0.236	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206	40186-72-9	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 207	52663-79-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208	52663-77-1	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Nonachlorinated biphenyls, total	n/a	<0.154	-	0.154	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209	2051-24-3	<0.0891	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Decachlorobiphenyl	2051-24-3	<0.0891 [U]	-	0.0891	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated biphenyls [PCBs], total	n/a	<0.868 [U]	-	0.868	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.1	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 003, 13C12	208263-77-8	47.6 [R]	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 004, 13C12	234432-86-1	50.3	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 015, 13C12	208263-67-6	46.9	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 019, 13C12	234432-87-2	54.2	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 037, 13C12	208263-79-0	48.2	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 054, 13C12	234432-88-3	54.4	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 081, 13C12	208461-24-9	48.5	-	0.089	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 104, 13C12	234432-89-4	61.5	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 105, 13C12	208263-62-1	54.5 [R]	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 114, 13C12	208263-63-2	56.2	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 118, 13C12	104130-40-7	61.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 123, 13C12	208263-64-3	51.8	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 126, 13C12	208263-65-4	44.0	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 155, 13C12	234432-90-7	63.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 156, 13C12	208263-68-7	53.6	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Analytical Results

BU2400982-048

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-62 - 15867240530133
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 167, 13C12	235416-30-5	58.8	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 169, 13C12	208263-70-1	55.2	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 188, 13C12	234432-91-8	64.4	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 202, 13C12	105600-26-8	66.9	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 205, 13C12	234446-64-1	59.8	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 206, 13C12	208263-75-6	66.3	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 208, 13C12	234432-92-9	62.6	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612
PCB 209, 13C12	105600-27-9	58.9	-	0.0891	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754612

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-71 - 15867240527201

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	87.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.0112 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-71 - 15867240527201

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	<0.040 [U]	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	<0.040 [U]	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-71 - 15867240527201

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.034 [U]	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	<0.107 [U]	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	50.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	49.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	52.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	54.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	56.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	56.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	57.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	65.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	63.6 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	66.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	74.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	60.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	48.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	68.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	70.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-049

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-71 - 15867240527201
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	69.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	65.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	71.0	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	77.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	70.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	81.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	73.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	72.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-050

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	58.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-050

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-050

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	53.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	57.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	62.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	67.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	71.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	73.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	74.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	79.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	85.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	84.5 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	78.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	72.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	59.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	82.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	80.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-050

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-72 - 15867240527202
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	82.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	85.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	87.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	85.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	93.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	91.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	77.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-051

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	41.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-051

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-051

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	46.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	51.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	55.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	60.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	64.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	67.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	68.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	75.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	78.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	76.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	80.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	74.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	59.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	75.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	85.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-051

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-73 - 15867240527203
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	86.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	86.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	86.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	85.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	94.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	80.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	87.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	77.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	66.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-74 - 15867240528204

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	69.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0207 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.035	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0159 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0109	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0161 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0216 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.0884 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.153	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0186 R,	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0298	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0387	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0284	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0711	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.0776	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0265	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U],	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.318	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-74 - 15867240528204

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0402 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.0585 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0122	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0388	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0508	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0160 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0509 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.138	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.180	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0278	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.204	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0108 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	1.05	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.114	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0148	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0885 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0744 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.0676	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0243	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.349	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.288	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.0870	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0646	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.511	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0554	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0145 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0622	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	1.82	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0384	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0310	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0933	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.422	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.207	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0952	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0147 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0302	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-74 - 15867240528204

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	1.29	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.0884	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0272	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0954	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0823	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.305	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0140	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	4.97	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	52.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	50.1 [R]	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	54.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	52.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	59.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	56.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	61.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	63.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	71.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	70.8 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	70.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	75.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	64.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	54.2 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	74.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	71.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-052

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-74 - 15867240528204
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	74.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	76.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	69.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	78.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	84.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	74.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	82.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	77.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	74.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-053

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	22.3	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-053

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-053

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	33.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	40.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	43.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	49.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	50.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	54.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	70.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	65.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	75.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	70.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	77.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	63.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	55.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	70.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	78.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-053

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-75 - 15867240528205
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	80.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	74.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	80.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	90.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	79.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	88.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	81.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	78.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-054

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-76 - 15867240528206

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	25.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-054

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-054

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	40.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	46.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	51.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	55.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	69.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	61.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	75.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	71.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.8 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	75.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	81.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	67.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	73.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	77.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-054

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-76 - 15867240528206
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	81.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	77.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	83.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	90.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	89.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	75.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-77 - 15867240528207

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	76.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0208	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	0.021	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0438	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.197	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0329	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0147	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0981 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.386	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0825	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0448	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0114	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.166 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0704	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0225	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0310	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.604 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.150	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	1.30	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0192	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0337	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.135	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0838	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0115	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0980	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.144	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0117	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.334	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.335	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0208	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.618	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.767	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.223	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	2.98	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.120	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0652 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-77 - 15867240528207

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	1.77	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.454	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.782	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.109	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.272	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.356	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.148	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.844	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	1.45	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	2.70	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.239	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	1.24	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.120 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.125 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	10.8	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	1.22	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.193	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	1.09 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.771	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.610	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.224	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	5.91	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	2.86	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	1.02	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.511	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	5.34	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.627	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.142	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.725 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	21.2	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	2.65	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.461	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.344	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	1.84	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	1.04	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	5.14	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	2.16	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.966	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.193	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0866	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.111 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.361 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-77 - 15867240528207

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	15.4	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	1.06	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.615 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	1.05	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.916	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0867	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.122	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0846 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	3.93	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.188	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0265 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0254	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.240	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0320	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0320	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	56.3	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	55.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	56.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	58.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	55.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	60.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	58.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	59.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	59.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	65.3 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	67.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	73.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	59.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	53.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	65.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-055

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-77 - 15867240528207
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	67.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	69.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	65.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	71.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	77.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	69.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	76.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	72.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	66.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-056

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	51.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-056

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.046	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.053 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-056

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	54.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	58.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	63.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	63.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	69.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	73.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	71.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	78.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	81.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.7 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	76.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	79.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	74.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	58.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	74.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	84.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-056

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-78 - 15867240528208
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	84.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	83.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	84.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	92.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	83.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	89.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	83.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	62.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-057

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-79 - 15867240528209

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	55.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-057

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.046	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.056	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-057

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	53.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	65.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	74.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	73.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	86.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	83.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.9 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	80.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	82.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	77.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	83.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	83.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-057

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-79 - 15867240528209
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	83.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	84.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	87.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	92.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	81.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	88.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	83.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	77.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-80 - 15867240529210

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0261	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0252 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.051	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0186	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0247	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0245	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.154 R	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.222	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0574	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0121	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0490	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0268	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0275	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0471	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.108	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.104	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.187	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.238	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0794	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.936	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0405	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0140	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-80 - 15867240529210

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.542	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.103	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.197	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0352	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0844	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.125	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0494	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.242	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.390	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.730	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0678	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.414	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0233 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0316	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	3.09	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.289	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0443	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.202 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.202	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.140	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0538	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	1.48	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.661	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.227	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.150	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	1.27	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.147	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0324	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.145	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	5.04	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.458	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0988	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0770	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.348	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.213	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	1.06	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.459	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.212	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0396	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0176	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0576 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0763 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-80 - 15867240529210

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.12	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.203	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0654	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.215	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.188	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0205 [R]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0261	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.718	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0361	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.036	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0098 [U]	-	0.0098	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	13.2	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	48.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	49.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	50.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	47.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	52.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	50.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	50.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	51.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	55.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	56.9 [R]	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	56.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	62.9	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	49.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	39.8	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	55.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	53.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-058

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-80 - 15867240529210
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	56.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	57.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	52.6	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	59.3	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	64.1	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	55.2	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	59.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	58.4	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	53.5	-	0.0098	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-059

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-81 - 15867240529211

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-059

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-81 - 15867240529211
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.036	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-059

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-81 - 15867240529211

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	51.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	55.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	62.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	58.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	63.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	71.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	68.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	72.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	78.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	77.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	80.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	72.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	63.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	81.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-059

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-81 - 15867240529211
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	82.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	88.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	78.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	82.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	71.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	46.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-060

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-82 - 15867240529212
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	70.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-060

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-82 - 15867240529212
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-060

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-82 - 15867240529212

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	43.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	49.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	55.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	53.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	58.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	69.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	63.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	74.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	76.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	81.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	74.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	72.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	56.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	73.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	80.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-060

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-82 - 15867240529212
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	80.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	81.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	76.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	84.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	91.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	79.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	85.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	80.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	67.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-83 - 15867240529213

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	67.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U],	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0361	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.176	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0333	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0168	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	0.0173	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.260 [R],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.540	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.108	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0593	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.171	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0151	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.224	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.159	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0145	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0456	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0554	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	1.26 [R],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.519	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	2.63	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0481	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.302	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0904	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.305	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.213	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0221	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	0.0098	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.207	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.410	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0239	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.822	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.805	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0480	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	1.44	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	2.20	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.616	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	0.0581	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	7.62	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.389	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.160 [R],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-83 - 15867240529213

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	4.20	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	1.04	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	1.76	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.233	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.655	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	1.04	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.569	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	1.92	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	4.05	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	7.36	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.676	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	3.78	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.330	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.397 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	28.6	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	3.36	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.552	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	2.07 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	2.42	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	1.49	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.583	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	16.4	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	6.56	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	2.70	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	1.54	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	13.4	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	1.91	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.424	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	1.24	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0097 [U],	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	0.0110 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	54.7	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	8.02	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	1.58	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	1.18	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	5.64	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	3.50	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	16.2	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	7.07	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	3.25	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.642	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.347	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.331	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.591 R,	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-83 - 15867240529213

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	48.4	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	3.73	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	1.30	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	3.74	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	3.24	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.295	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.431	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.179	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	12.9	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.654	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0755	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0967	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.826	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0600	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0600	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	156	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	55.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	55.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	58.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	56.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	62.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	59.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	61.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	60.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	70.2	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	62.5 R	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	65.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	70.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	59.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	48.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	71.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	63.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-061

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-83 - 15867240529213
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	68.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	63.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	72.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	76.2	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	67.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	75.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	70.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	68.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-062

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-84 - 15867240529214

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	30.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-062

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-84 - 15867240529214

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.034	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	0.042	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	<0.10 [U]	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.101	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	0.046	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.091	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	0.24	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	0.030	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.091	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	0.038	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-062

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-84 - 15867240529214

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.20	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	0.027	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	0.44	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	53.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	59.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	60.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	66.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	69.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	69.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	70.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	82.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	78.4 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	78.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	81.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	76.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	57.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	80.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	81.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-062

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-84 - 15867240529214
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	78.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	83.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	76.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	89.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	94.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	81.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	87.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	84.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	67.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-063

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	25.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755311
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Monochlorinated biphenyls, total	n/a	<0.040 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 006	25569-80-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 007+009	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Dichlorinated biphenyls, total	n/a	<0.07 [U]	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 016+032	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 017	37680-66-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 018	37680-65-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019	38444-73-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 020+021+033	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 022	38444-85-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 024+027	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 025	55712-37-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 026	38444-81-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 028+031	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037	38444-90-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 040	38444-93-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 041+064+068+071	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 042+059	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 043+049	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 044	41464-39-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 045	70362-45-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 046	41464-47-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 047+048+075	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 052+073	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 053	41464-41-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 056+060	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 057	70424-67-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 061+074	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 063	74472-34-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 066+080	n/a	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 070+076	n/a	0.053	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 077	32598-13-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081	70362-50-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 082	52663-62-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 083+108	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-063

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.107	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 085+120	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 086+087+111+115+116+117+125	n/a	0.048	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 091	68194-05-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 092	52663-61-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 093+095	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 097	41464-51-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 099	38380-01-7	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105+127	n/a	0.093	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 106+118	n/a	0.186	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 107+109	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 110	38380-03-9	0.105	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114	74472-37-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123	65510-44-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126	57465-28-8	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Pentachlorinated biphenyls, total	n/a	0.61	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 128+167	n/a	0.073	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 129	55215-18-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 131+142+146+165	n/a	0.034	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 132+168	n/a	0.060	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 135+144	n/a	0.032	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 136	38411-22-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 137	35694-06-5	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 138+163+164	n/a	0.354	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 139+149	n/a	0.142	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 141	52712-04-6	0.061	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 151	52663-63-5	0.037	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 153	35065-27-1	0.285	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156	38380-08-4	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 157	69782-90-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 158+160	n/a	0.041	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Hexachlorinated biphenyls, total	n/a	1.16	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 170+190	n/a	0.178	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 171	52663-71-5	0.026	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 172+192	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 174+181	n/a	0.104	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 177	52663-70-4	0.058	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 180	35065-29-3	0.312	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 182+187	n/a	0.118	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 183	52663-69-1	0.055	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 185	52712-05-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 189	39635-31-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 191	74472-50-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 193	69782-91-8	0.025 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-063

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-85 - 15867240529215

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.88	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 194	35694-08-7	0.143 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 195	52663-78-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 196+203	n/a	0.065	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 199	52663-75-9	0.056	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202	2136-99-4	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205	74472-53-0	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Octachlorinated biphenyls, total	n/a	0.26	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206	40186-72-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 207	52663-79-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208	52663-77-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Nonachlorinated biphenyls, total	n/a	<0.04 [U]	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Decachlorobiphenyl	2051-24-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated biphenyls [PCBs], total	n/a	2.91	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754776
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	51.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 003, 13C12	208263-77-8	55.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 004, 13C12	234432-86-1	62.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 015, 13C12	208263-67-6	59.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 019, 13C12	234432-87-2	64.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 037, 13C12	208263-79-0	70.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 054, 13C12	234432-88-3	69.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 081, 13C12	208461-24-9	76.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 104, 13C12	234432-89-4	80.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 105, 13C12	208263-62-1	80.4 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 114, 13C12	208263-63-2	75.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 118, 13C12	104130-40-7	76.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 123, 13C12	208263-64-3	73.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 126, 13C12	208263-65-4	57.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 155, 13C12	234432-90-7	63.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 156, 13C12	208263-68-7	82.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Analytical Results

BU2400982-063

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-85 - 15867240529215
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	76.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 167, 13C12	235416-30-5	82.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 169, 13C12	208263-70-1	84.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 188, 13C12	234432-91-8	81.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 202, 13C12	105600-26-8	91.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 205, 13C12	234446-64-1	80.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 206, 13C12	208263-75-6	86.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 208, 13C12	234432-92-9	78.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776
PCB 209, 13C12	105600-27-9	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754776

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-86 - 15867240529216

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	80.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.0535 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.054	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0151	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0164	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0214	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0240	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0348	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.0555	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	0.184	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0099 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-86 - 15867240529216

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.113	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.0202	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.0398	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0177	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0367	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0493	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.0596	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.124	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0110	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.0790	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.550	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.0507	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0408 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0438	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.0330	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0101	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.281	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.146	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.0503	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0403	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.257	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.0251	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0236	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	1.00	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.132	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.0245	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0184	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.101	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0528	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.254	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.123	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0548	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0211 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-86 - 15867240529216

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.782	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.0653	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0196	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0690	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0603	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.214	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0137	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	2.78	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	49.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	52.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	53.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	55.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	59.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	60.3	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	60.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	62.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	69.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	69.7 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	68.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	75.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	60.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	52.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	70.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	69.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-064

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-86 - 15867240529216
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	72.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	74.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	69.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	74.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	81.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	72.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	82.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	75.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	70.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-87 - 15867240529217

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	80.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.0135	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.0318 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.045	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0145	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0149	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.0121	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.0171	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0310	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.348 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.0712 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	0.509	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.0643	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0181 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0972	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0237	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0606	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.0634	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.0994	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.131	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.183	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.296	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.0475	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	1.08	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0435	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0163	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-87 - 15867240529217

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.632	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.110	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.202	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0418	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.106	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.179	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.0461	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.269	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.314	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.647	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.0606	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.402	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0311	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0310 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	3.13	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.264	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.0521	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.270	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.198	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.0535	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	1.54	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.823	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.281	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.239	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	1.34	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.140	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0294	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.128	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	5.56	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.525	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.126	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.0829	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.504	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.286	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	1.29	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.613	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.282	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.0554	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0187	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0377 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.0902 [R],	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-87 - 15867240529217

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	3.91	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.265	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.0977	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.311	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.261	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0302	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0441	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0119 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	1.02	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.0556	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0108 R	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.066	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	15.3	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	50.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	51.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	54.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	52.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	58.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	59.1	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	58.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	60.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	66.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	69.3 R	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	67.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	75.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	59.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	49.9	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	67.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	67.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-065

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-87 - 15867240529217
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	71.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	70.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	67.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	71.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	78.6	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	69.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	76.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	72.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	69.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-066

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-88 - 15867240529218
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	41.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-066

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-88 - 15867240529218
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.026	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.081	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.042	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.086	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.21	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.037	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.102	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.052	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-066

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-88 - 15867240529218

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.22	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.43	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	29.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	46.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	42.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	54.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	38.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	70.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	44.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	76.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	64.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	63.6 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	85.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	97.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	59.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	85.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	62.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-066

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-88 - 15867240529218
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	66.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	53.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	71.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	73.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	67.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	74.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	64.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-067

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	43.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-067

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.036	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.077	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.078	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.20	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.040	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.086	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.039	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-067

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.16	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.36	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	25.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	40.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	30.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	53.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	29.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	64.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	31.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	60.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	50.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	51.2 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	72.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	68.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	83.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	54.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	53.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-067

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-89 - 15867240529219
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	57.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	51.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	69.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	51.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	65.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	58.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-068

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	32.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	0.032 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	0.044	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	0.044 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	0.084	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	0.172	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	0.027	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	0.027	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.032	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	0.12	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-068

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.052	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	0.036	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	0.16	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.070	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.073	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.19	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.057	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-068

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.64	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	18.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	31.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	21.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	47.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	22.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	54.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	23.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	55.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	42.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	45.7 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	62.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	55.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	67.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	48.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	45.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-068

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-90 - 15867240529220
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	49.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	51.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	44.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	65.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	45.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	53.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	47.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	47.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-069

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	34.0	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.081 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-069

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.041	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.069	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.061	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	0.16	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.070	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.030	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-069

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.13	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.29	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	26.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	44.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	38.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	49.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	31.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	73.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	39.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	71.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	59.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	61.5 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	80.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	71.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	93.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	58.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	80.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	61.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-069

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-91 - 15867240529221
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	63.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	63.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	69.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	56.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	72.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	65.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	68.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	61.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-92 - 15867240530222

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	72.1	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	0.0134	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	0.0283	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	0.116	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	0.0234	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	0.0119	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	0.100 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	0.280	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	0.0840	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	0.0456	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	0.0131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	0.274 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	0.0799	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	0.0113	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	0.0221	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	0.0304 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	0.430 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	0.230 [R]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	1.35	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0202	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	0.130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	0.0434	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	0.0953	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	0.0926	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	0.0159	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	0.0810	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	0.154	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	0.0138	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	0.228	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.188	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	0.0130	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.403	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.562	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	0.154	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	2.19	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	0.0817	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0387	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-92 - 15867240530222

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.910	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	0.253	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	0.381	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	0.0667	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.149	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.230	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	0.124	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.447	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.945	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	1.59	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	0.157	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.931	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	0.0704	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	0.0815	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	6.46	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.765	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	0.125	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.460 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.566	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	0.327	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	0.139	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	3.53	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	1.35	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	0.587	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.340	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	2.92	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	0.443	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	0.0997	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.446	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0096 [U]	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	12.1	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	1.54	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	0.313	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	0.235	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	1.16	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.672	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	3.33	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	1.28	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.596	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	0.128	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	0.0562	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	0.0884 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	0.143	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-92 - 15867240530222

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	9.54	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	0.778	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	0.252	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.775	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.656	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	0.0622	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	0.0871	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	0.0410	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	2.65	-	0.025	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	0.138	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	0.0163	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	0.0221 R	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	0.176	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	0.0131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	0.0131	-	0.0096	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	34.8	-	0.106	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	52.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	53.7	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	55.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	54.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	60.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	60.5	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	61.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	64.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	69.6 R	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	70.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	77.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	61.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	51.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	69.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	67.8	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-070

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-92 - 15867240530222
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	72.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	73.5	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	70.4	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	74.0	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	80.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	71.1	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	78.2	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	72.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	57.9	-	0.0096	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-071

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	23.4	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	0.085 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.281 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	0.37	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-071

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	0.028 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.031	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-071

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	0.37	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	25.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	37.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	31.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	55.9 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	49.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	115	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	47.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	74.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	74.7 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	101	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	84.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	101	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	66.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	81.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	61.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-071

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-93 - 15867240530223
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	65.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	88.4 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	54.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	56.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	73.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	69.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	60.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-072

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	23.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-072

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-072

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	42.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	56.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	44.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	60.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	39.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	79.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	41.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	71.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	59.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	59.4 [R],	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	78.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	71.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	87.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	53.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	81.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	53.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-072

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-94 - 15867240530224
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	58.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	65.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	58.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	67.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	53.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	67.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	63.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	57.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-073

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	21.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	0.047 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	0.026 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	0.093 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	0.17	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	0.047 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	0.033	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	0.431 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	0.156 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	0.036 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	0.250 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	0.953	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	0.054	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	0.026 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	0.062	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	0.032	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	0.072	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	0.119	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	0.112	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	0.179	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	0.286	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	0.050	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	1.03	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	0.128 R,	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-073

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.460	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	0.115 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	0.193 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	0.030 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	0.069	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	0.098	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	0.072	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	0.233	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	0.345	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	0.602	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	0.103	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	0.399	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	2.85	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	0.288	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	0.043	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	0.160	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	0.227	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	0.143	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	0.060 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	1.29	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	0.632	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	0.211	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	0.174	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	1.32	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	0.131	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	0.028	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	0.163	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	0.033	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	4.90	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	0.549	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	0.174 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	0.106 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	0.385	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	0.360	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	1.45	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	0.625	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	0.294	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	0.099 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	0.039 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	0.058 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-073

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-95 - 15867240530225

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	4.14	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	0.299	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	0.076	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	0.267	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	0.287	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	0.029	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	0.029 R	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	0.99	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	0.057	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	0.06	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	15.1	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	38.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	52.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	37.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	67.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	36.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	72.2 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	36.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	57.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	45.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	56.6 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	123 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	116 R	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	83.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	57.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	82.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	51.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-073

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-95 - 15867240530225
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	52.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	60.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	59.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	63.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	50.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	63.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	60.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	57.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	57.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-074

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-96 - 15867240530226

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	60.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	0.092 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	0.075 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	0.549 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	0.056 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	2.24 [R]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	3.01	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-074

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-96 - 15867240530226
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	0.044	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	0.038	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	0.035	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-074

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-96 - 15867240530226

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	3.01	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	39.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	52.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	39.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	51.6 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	37.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	69.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	40.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	66.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	64.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	56.6 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	75.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	67.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	84.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	52.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	73.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	56.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-074

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-96 - 15867240530226
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	56.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	64.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	55.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	67.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	52.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	71.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	65.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	64.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-075

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	19.2	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-075

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025 [U],	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-075

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	37.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	53.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	43.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	59.7 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	37.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	76.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	38.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	69.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	57.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	61.1 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	77.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	70.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	85.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	54.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	79.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	58.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-075

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-97 - 15867240530227
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	57.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	64.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	60.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	63.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	51.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	70.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	66.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	63.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	58.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-98 - 15867240530228

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	72.7	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.032 [U]	-	0.032	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	0.0127	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation**
(Matrix: **Biota**)

Client sample ID: L2756004-98 - 15867240530228
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0145	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	0.0203	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0100	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.0176	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.0136	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.089	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.0451	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.0259	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.0422	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	0.113	-	0.040	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.0134	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.0351	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.0194	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-98 - 15867240530228

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.068	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0099	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0097 [U]	-	0.0097	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	0.270	-	0.107	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	50.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	52.2	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	55.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	55.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	58.8	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	64.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	60.4	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	69.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	69.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	76.3 [R]	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	72.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	81.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	63.3	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	56.5	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	68.7	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	75.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-076

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-98 - 15867240530228
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	77.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	78.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	77.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	75.0	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	84.1	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	74.4	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	82.6	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	75.2	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	71.9	-	0.0097	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-077

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-077

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-077

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	24.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	39.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	16.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	64.8 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	41.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	82.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	42.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	72.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	59.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	59.0 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	89.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	68.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	101	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	53.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	79.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	56.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-077

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-99 - 15867240530229
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	61.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	66.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	63.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	68.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	54.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	72.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	66.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	63.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	59.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-078

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	17.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-078

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-078

Sub-Matrix: **Tissue** (Matrix: **Biota**)

Client sample ID: L2756004-100 - 15867240530230

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	22.0 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	39.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	37.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	52.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	34.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	61.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	37.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	62.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	52.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	52.4 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	69.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	59.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	83.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	47.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	66.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	51.8 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-078

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-100 - 15867240530230
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	52.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	58.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	51.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	46.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	62.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	56.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	55.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	49.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-101 - 15867240530231

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	<0.50	-	0.50	%	E144/BU	-	07-Nov-2024	1755167
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003	2051-62-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Monochlorinated biphenyls, total	n/a	<0.014 [U]	-	0.014	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004+010	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 005+008	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 006	25569-80-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 007+009	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 011	2050-67-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 012+013	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015	2050-68-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Dichlorinated biphenyls, total	n/a	<0.026 [U]	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 016+032	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 017	37680-66-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 018	37680-65-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019	38444-73-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 020+021+033	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 022	38444-85-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 024+027	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 025	55712-37-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 026	38444-81-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 028+031	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037	38444-90-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Trichlorinated biphenyls, total	n/a	<0.033 [U]	-	0.033	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 040	38444-93-8	0.0099	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 041+064+068+071	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 042+059	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 043+049	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 044	41464-39-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 045	70362-45-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 046	41464-47-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 047+048+075	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 052+073	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 053	41464-41-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 056+060	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 057	70424-67-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 061+074	n/a	0.0112	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 063	74472-34-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 066+080	n/a	0.0217	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 070+076	n/a	0.0136	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 077	32598-13-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081	70362-50-4	<0.0500 [U]	-	0.0500	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Tetrachlorinated biphenyls, total	n/a	<0.064 [U]	-	0.064	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 082	52663-62-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 083+108	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-101 - 15867240530231

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	0.0329	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 085+120	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 086+087+111+115+116+117+125	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 091	68194-05-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 092	52663-61-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 093+095	n/a	0.0112	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 097	41464-51-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 099	38380-01-7	0.0207	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105+127	n/a	0.0206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 106+118	n/a	0.0470	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 107+109	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 110	38380-03-9	0.0270	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114	74472-37-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123	65510-44-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126	57465-28-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Pentachlorinated biphenyls, total	n/a	0.159	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 128+167	n/a	0.0192	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 129	55215-18-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 131+142+146+165	n/a	0.0104	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 132+168	n/a	0.0106	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 135+144	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 136	38411-22-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 137	35694-06-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 138+163+164	n/a	0.0970	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 139+149	n/a	0.0467	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 141	52712-04-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 151	52663-63-5	0.0111	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 153	35065-27-1	0.0850	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156	38380-08-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 157	69782-90-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 158+160	n/a	0.0102 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 159	39635-35-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169	32774-16-6	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Hexachlorinated biphenyls, total	n/a	0.290	-	0.041	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 170+190	n/a	0.0320 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 171	52663-71-5	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 172+192	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 174+181	n/a	0.0206	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 177	52663-70-4	0.0113 [R]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 180	35065-29-3	0.0560	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 182+187	n/a	0.0341	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 183	52663-69-1	0.0134	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 185	52712-05-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 189	39635-31-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 191	74472-50-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 193	69782-91-8	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation** (Matrix: **Biota**)

Client sample ID: L2756004-101 - 15867240530231

Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	0.167	-	0.034	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 194	35694-08-7	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 195	52663-78-2	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 196+203	n/a	0.0165	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 199	52663-75-9	0.0133	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 201+204	n/a	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202	2136-99-4	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205	74472-53-0	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Octachlorinated biphenyls, total	n/a	0.030	-	0.026	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206	40186-72-9	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 207	52663-79-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208	52663-77-1	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Nonachlorinated biphenyls, total	n/a	<0.017 [U]	-	0.017	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Decachlorobiphenyl	2051-24-3	<0.0099 [U]	-	0.0099	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated biphenyls [PCBs], total	n/a	0.646	-	0.108	ng/g wwt	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	53.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 003, 13C12	208263-77-8	55.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 004, 13C12	234432-86-1	57.6	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 015, 13C12	208263-67-6	54.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 019, 13C12	234432-87-2	60.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 037, 13C12	208263-79-0	59.0	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 054, 13C12	234432-88-3	59.9	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 081, 13C12	208461-24-9	62.8	-	0.050	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 104, 13C12	234432-89-4	68.3	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 105, 13C12	208263-62-1	70.8 [R]	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 114, 13C12	208263-63-2	66.4	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 118, 13C12	104130-40-7	73.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 123, 13C12	208263-64-3	57.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 126, 13C12	208263-65-4	51.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 155, 13C12	234432-90-7	68.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 156, 13C12	208263-68-7	68.1	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Analytical Results

BU2400982-079

Sub-Matrix: **Vegetation**
(Matrix: **Biota)**

Client sample ID: L2756004-101 - 15867240530231
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	71.5	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 167, 13C12	235416-30-5	72.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 169, 13C12	208263-70-1	68.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 188, 13C12	234432-91-8	72.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 202, 13C12	105600-26-8	80.2	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 205, 13C12	234446-64-1	69.7	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 206, 13C12	208263-75-6	76.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 208, 13C12	234432-92-9	73.0	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767
PCB 209, 13C12	105600-27-9	60.8	-	0.0099	%	E689A/BU	07-Nov-2024	08-Nov-2024	1754767

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-080

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	30.6	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-080

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-080

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	34.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	56.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	43.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	57.3 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	38.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	74.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	42.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	73.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	63.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	59.4 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	83.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	69.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	100	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	56.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	83.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	62.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-080

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-102 - 15867240530233
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	61.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	69.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	60.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	73.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	56.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	73.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	65.6	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	66.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	59.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

Analytical Results

BU2400982-081

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Physical Tests									
Moisture	----	27.8	-	0.50	%	E144/BU	-	07-Nov-2024	1755369
Polychlorinated Biphenyls									
PCB 001	2051-60-7	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003	2051-62-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Monochlorinated biphenyls, total	n/a	<0.040	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004+010	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 005+008	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 006	25569-80-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 007+009	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 011	2050-67-1	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 012+013	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015	2050-68-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Dichlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 016+032	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 017	37680-66-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 018	37680-65-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019	38444-73-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 020+021+033	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 022	38444-85-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 024+027	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 025	55712-37-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 026	38444-81-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 028+031	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037	38444-90-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Trichlorinated biphenyls, total	n/a	<0.100 [U]	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 040	38444-93-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 041+064+068+071	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 042+059	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 043+049	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 044	41464-39-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 045	70362-45-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 046	41464-47-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 047+048+075	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 052+073	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 053	41464-41-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 056+060	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 057	70424-67-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 061+074	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 063	74472-34-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 066+080	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 070+076	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 077	32598-13-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081	70362-50-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Tetrachlorinated biphenyls, total	n/a	<0.11 [U]	-	0.11	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 082	52663-62-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 083+108	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-081

Sub-Matrix: **Tissue**
(Matrix: **Biota**)

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
PCB 084+089+090+101	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 085+120	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 086+087+111+115+116+117+125	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 091	68194-05-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 092	52663-61-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 093+095	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 097	41464-51-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 099	38380-01-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105+127	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 106+118	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 107+109	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 110	38380-03-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114	74472-37-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123	65510-44-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126	57465-28-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Pentachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 128+167	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 129	55215-18-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 131+142+146+165	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 132+168	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 135+144	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 136	38411-22-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 137	35694-06-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 138+163+164	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 139+149	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 141	52712-04-6	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 151	52663-63-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 153	35065-27-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156	38380-08-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 157	69782-90-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 158+160	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 159	39635-35-3	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169	32774-16-6	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Hexachlorinated biphenyls, total	n/a	<0.10	-	0.10	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 170+190	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 171	52663-71-5	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 172+192	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 174+181	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 177	52663-70-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 180	35065-29-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 182+187	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 183	52663-69-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 185	52712-05-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 189	39635-31-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 191	74472-50-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 193	69782-91-8	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-081

Sub-Matrix: **Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls									
Heptachlorinated biphenyls, total	n/a	<0.10	-	0.1	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 194	35694-08-7	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 195	52663-78-2	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 196+203	n/a	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 199	52663-75-9	<0.025 [U]	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 201+204	n/a	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202	2136-99-4	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205	74472-53-0	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Octachlorinated biphenyls, total	n/a	<0.07	-	0.07	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206	40186-72-9	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 207	52663-79-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208	52663-77-1	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Nonachlorinated biphenyls, total	n/a	<0.04	-	0.04	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Decachlorobiphenyl	2051-24-3	<0.025	-	0.025	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated biphenyls [PCBs], total	n/a	<0.26 [U]	-	0.26	ng/g	E689/BU	07-Nov-2024	08-Nov-2024	1754775
Polychlorinated Biphenyls Surrogates									
PCB 001, 13C12	234432-85-0	26.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 003, 13C12	208263-77-8	40.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 004, 13C12	234432-86-1	30.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 015, 13C12	208263-67-6	50.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 019, 13C12	234432-87-2	27.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 037, 13C12	208263-79-0	59.4	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 054, 13C12	234432-88-3	29.1	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 081, 13C12	208461-24-9	62.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 104, 13C12	234432-89-4	54.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 105, 13C12	208263-62-1	52.2 [R]	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 114, 13C12	208263-63-2	72.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 118, 13C12	104130-40-7	65.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 123, 13C12	208263-64-3	86.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 126, 13C12	208263-65-4	53.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 155, 13C12	234432-90-7	77.2	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 156, 13C12	208263-68-7	63.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Analytical Results

BU2400982-081

Sub-Matrix:**Tissue**
(Matrix: **Biota)**

Client sample ID: L2756004-103 - 15867240530235
Client sampling date / time: 26-May-2024

Analyte	CAS Number	Result	Measurement Uncertainty	LOR	Unit	Method/Lab	Prep Date	Analysis Date	QCLot
Polychlorinated Biphenyls Surrogates									
PCB 157, 13C12	235416-30-5	62.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 167, 13C12	235416-30-5	65.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 169, 13C12	208263-70-1	59.3	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 188, 13C12	234432-91-8	73.0	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 202, 13C12	105600-26-8	55.9	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 205, 13C12	234446-64-1	68.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 206, 13C12	208263-75-6	62.7	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 208, 13C12	234432-92-9	68.5	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775
PCB 209, 13C12	105600-27-9	58.8	-	0.050	%	E689/BU	07-Nov-2024	08-Nov-2024	1754775

Please refer to the General Comments section for an explanation of any result qualifiers detected.

Please refer to the Accreditation section for an explanation of analyte accreditations.

QUALITY CONTROL REPORT

Work Order	: **BU2400982**	Page	: 1 of 79
Client	: Matrix Solutions Inc.	Laboratory	: ALS Environmental - Burlington
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 1435 Norjohn Court, Unit 1 Burlington, Ontario Canada L7L 0E6
Telephone	: 780 989 8347	Telephone	: +1 905 331 3111
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 13:48
PO	: ----	Date Analysis Commenced	: 07-Nov-2024
C-O-C number	: ----	Issue Date	: 08-Nov-2024 16:01
Sampler	: ----		
Site	: ----		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 81		
No. of samples analysed	: 81		

This report supersedes any previous report(s) with this reference. Results apply to the sample(s) as submitted. This document shall not be reproduced, except in full.

This Quality Control Report contains the following information:

- Laboratory Duplicate (DUP) Report; Relative Percent Difference (RPD) and Data Quality Objectives
- Reference Material (RM) Report; Recovery and Data Quality Objectives
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

This document has been electronically signed by the authorized signatories below. Electronic signing is conducted in accordance with US FDA 21 CFR Part 11.

Signatories	*Position*	*Laboratory Department*
Philip Elder	Technical Manager	Burlington Organics, Burlington, Ontario

General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO = Data Quality Objective.
LOR = Limit of Reporting (detection limit).
RPD = Relative Percent Difference
# = Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	LOR	Unit	Original Result	Duplicate Result	RPD(%) or Difference	Duplicate Limits	Qualifier
Physical Tests (QC Lot: 1754820)											
BU2400982-001	L2756004-3 15867240527003	Moisture	----	E144	0.50	%	85.8	85.4	0.507%	20%	----
Physical Tests (QC Lot: 1755121)											
BU2400982-002	L2756004-4 15867240527103	Moisture	----	E144	0.50	%	37.8	38.5	1.74%	20%	----
Physical Tests (QC Lot: 1755167)											
BU2400982-007	L2756004-9 15867240527006	Moisture	----	E144	0.50	%	65.3	65.1	0.298%	20%	----
Physical Tests (QC Lot: 1755216)											
BU2400982-026	L2756004-30 15867240528116	Moisture	----	E144	0.50	%	34.8	37.7	8.13%	20%	----
Physical Tests (QC Lot: 1755311)											
BU2400982-050	L2756004-72 15867240527202	Moisture	----	E144	0.50	%	58.4	61.9	5.79%	20%	----
Physical Tests (QC Lot: 1755369)											
BU2400982-066	L2756004-88 15867240529218	Moisture	----	E144	0.50	%	41.4	42.8	3.30%	20%	----
Polychlorinated Biphenyls (QC Lot: 1754612)											
BU2400982-026	L2756004-30 15867240528116	PCB 001	2051-60-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 012+013	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754612) - continued											
BU2400982-026	L2756004-30 15867240528116	PCB 024+027	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 037	38444-90-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 042+059	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 043+049	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 044	41464-39-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 045	70362-45-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 052+073	n/a	E689A	0.0966	ng/g wwt	0.196	0.262	0.0664	Diff <2x LOR	----
		PCB 053	41464-41-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 057	70424-67-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 063	74472-34-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 070+076	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 077	32598-13-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 081	70362-50-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 083+108	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0966	ng/g wwt	0.220	0.219	0.0008	Diff <2x LOR	----
		PCB 085+120	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0966	ng/g wwt	0.0932	<0.0966	0.0035	Diff <2x LOR	U
		PCB 091	68194-05-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 092	52663-61-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 093+095	n/a	E689A	0.0966	ng/g wwt	0.106	0.103	0.0030	Diff <2x LOR	----
		PCB 097	41464-51-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 099	38380-01-7	E689A	0.0966	ng/g wwt	0.104	0.111	0.0073	Diff <2x LOR	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754612) - continued											
BU2400982-026	L2756004-30 15867240528116	PCB 105+127	n/a	E689A	0.0966	ng/g wwt	0.102	0.101	0.0012	Diff <2x LOR	----
		PCB 106+118	n/a	E689A	0.0966	ng/g wwt	0.200	0.227	0.0272	Diff <2x LOR	----
		PCB 107+109	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 110	38380-03-9	E689A	0.0966	ng/g wwt	0.158	0.150	0.0082	Diff <2x LOR	----
		PCB 114	74472-37-0	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 123	65510-44-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 128+167	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 129	55215-18-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 132+168	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 135+144	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 136	38411-22-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689A	0.0966	ng/g wwt	0.345	0.353	0.0080	Diff <2x LOR	----
		PCB 139+149	n/a	E689A	0.0966	ng/g wwt	0.203	0.187	0.0157	Diff <2x LOR	----
		PCB 141	52712-04-6	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 151	52663-63-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 153	35065-27-1	E689A	0.0966	ng/g wwt	0.312	0.315	0.0030	Diff <2x LOR	----
		PCB 156	38380-08-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 157	69782-90-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 158+160	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 159	39635-35-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 171	52663-71-5	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 172+192	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 174+181	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 177	52663-70-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 180	35065-29-3	E689A	0.0966	ng/g wwt	0.155	0.188	0.0332	Diff <2x LOR	----
		PCB 182+187	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 183	52663-69-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 185	52712-05-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 189	39635-31-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754612) - continued											
BU2400982-026	L2756004-30 15867240528116	PCB 191	74472-50-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 193	69782-91-8	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 194	35694-08-7	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 195	52663-78-2	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 196+203	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 199	52663-75-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 201+204	n/a	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 202	2136-99-4	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 205	74472-53-0	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 206	40186-72-9	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 207	52663-79-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
		PCB 209	2051-24-3	E689A	0.0966	ng/g wwt	<0.0913	<0.0966	0.0053	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754619)											
BU2400982-002	L2756004-4 15867240527103	PCB 001	2051-60-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 012+013	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 024+027	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754619) - continued											
BU2400982-002	L2756004-4 15867240527103	PCB 037	38444-90-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 042+059	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 043+049	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 044	41464-39-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 045	70362-45-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 052+073	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 053	41464-41-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 057	70424-67-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 063	74472-34-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 070+076	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 077	32598-13-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 081	70362-50-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 083+108	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 085+120	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 091	68194-05-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 092	52663-61-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 093+095	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 097	41464-51-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 099	38380-01-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 105+127	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 106+118	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 107+109	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 110	38380-03-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754619) - continued											
BU2400982-002	L2756004-4 15867240527103	PCB 114	74472-37-0	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 123	65510-44-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 128+167	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 129	55215-18-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 132+168	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 135+144	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 136	38411-22-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 139+149	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 141	52712-04-6	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 151	52663-63-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 153	35065-27-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 156	38380-08-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 157	69782-90-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 158+160	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 159	39635-35-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 171	52663-71-5	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 172+192	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 174+181	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 177	52663-70-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 180	35065-29-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 182+187	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 183	52663-69-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 185	52712-05-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 189	39635-31-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 191	74472-50-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 193	69782-91-8	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 194	35694-08-7	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 195	52663-78-2	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754619) - continued											
BU2400982-002	L2756004-4 15867240527103	PCB 196+203	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 199	52663-75-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 201+204	n/a	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 202	2136-99-4	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 205	74472-53-0	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 206	40186-72-9	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 207	52663-79-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
		PCB 209	2051-24-3	E689A	0.0789	ng/g wwt	<0.0742	<0.0789	0.0047	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754767)											
BU2400982-007	L2756004-9 15867240527006	PCB 001	2051-60-7	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0095	ng/g wwt	0.0191	<0.0095	0.0095	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0095	ng/g wwt	0.0113	<0.0095	0.0018	Diff <2x LOR	U
		PCB 012+013	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0095	ng/g wwt	0.0135	<0.0095	0.0039	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0095	ng/g wwt	0.0108	<0.0095	0.0013	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 024+027	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 037	38444-90-5	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0095	ng/g wwt	0.0450	0.0277	0.0172	Diff <2x LOR	----
		PCB 042+059	n/a	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754767) - continued											
BU2400982-007	L2756004-9 15867240527006	PCB 043+049	n/a	E689A	0.0095	ng/g wwt	0.0248	0.0146	0.0102	Diff <2x LOR	----
		PCB 044	41464-39-5	E689A	0.0095	ng/g wwt	0.0214	0.0132	0.0081	Diff <2x LOR	----
		PCB 045	70362-45-7	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689A	0.0095	ng/g wwt	0.0128	0.0107	0.0021	Diff <2x LOR	----
		PCB 052+073	n/a	E689A	0.0095	ng/g wwt	0.0502	# 0.0269	0.0232	Diff <2x LOR	DUP-H
		PCB 053	41464-41-9	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0095	ng/g wwt	0.0555	0.0358	43.1%	50%	----
		PCB 057	70424-67-8	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0095	ng/g wwt	0.0639	0.0399	46.2%	50%	----
		PCB 063	74472-34-7	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0095	ng/g wwt	0.100	0.0598	50.8%	50%	DUP-H
		PCB 070+076	n/a	E689A	0.0095	ng/g wwt	0.173	0.104	50.0%	50%	----
		PCB 077	32598-13-3	E689A	0.0095	ng/g wwt	0.0528	0.0310	51.9%	50%	DUP-H
		PCB 081	70362-50-4	E689A	0.0500	ng/g wwt	<0.0500	<0.0500	0	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0095	ng/g wwt	0.0500	0.0314	45.7%	50%	----
		PCB 083+108	n/a	E689A	0.0095	ng/g wwt	0.0128	<0.0095	0.0033	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0095	ng/g wwt	0.367	0.228	46.7%	50%	----
		PCB 085+120	n/a	E689A	0.0095	ng/g wwt	0.0812	0.0464	54.6%	50%	DUP-H
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0095	ng/g wwt	0.179	0.107	50.4%	50%	DUP-H
		PCB 091	68194-05-8	E689A	0.0095	ng/g wwt	0.0244	0.0145	0.0100	Diff <2x LOR	----
		PCB 092	52663-61-3	E689A	0.0095	ng/g wwt	0.0598	0.0335	56.2%	50%	DUP-H
		PCB 093+095	n/a	E689A	0.0095	ng/g wwt	0.129	0.0776	49.5%	50%	----
		PCB 097	41464-51-1	E689A	0.0095	ng/g wwt	0.0406	0.0256	0.0149	Diff <2x LOR	----
		PCB 099	38380-01-7	E689A	0.0095	ng/g wwt	0.145	0.0939	42.5%	50%	----
		PCB 105+127	n/a	E689A	0.0095	ng/g wwt	0.223	0.138	47.2%	50%	----
		PCB 106+118	n/a	E689A	0.0095	ng/g wwt	0.472	0.298	45.1%	50%	----
		PCB 107+109	n/a	E689A	0.0095	ng/g wwt	0.0349	0.0281	0.0068	Diff <2x LOR	----
		PCB 110	38380-03-9	E689A	0.0095	ng/g wwt	0.348	0.217	46.4%	50%	----
		PCB 114	74472-37-0	E689A	0.0095	ng/g wwt	0.0124	0.0108	0.0016	Diff <2x LOR	----
		PCB 123	65510-44-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0095	ng/g wwt	0.0264	0.0175	0.0089	Diff <2x LOR	----
		PCB 128+167	n/a	E689A	0.0095	ng/g wwt	0.187	0.123	40.9%	50%	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754767) - continued											
BU2400982-007	L2756004-9 15867240527006	PCB 129	55215-18-4	E689A	0.0095	ng/g wwt	0.0291	0.0217	0.0074	Diff <2x LOR	----
		PCB 131+142+146+165	n/a	E689A	0.0095	ng/g wwt	0.113	0.0796	34.8%	50%	----
		PCB 132+168	n/a	E689A	0.0095	ng/g wwt	0.173	0.119	37.2%	50%	----
		PCB 135+144	n/a	E689A	0.0095	ng/g wwt	0.100	0.0640	44.2%	50%	----
		PCB 136	38411-22-2	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0095	ng/g wwt	0.0371	0.0254	0.0117	Diff <2x LOR	----
		PCB 138+163+164	n/a	E689A	0.0095	ng/g wwt	0.893	0.604	38.5%	50%	----
		PCB 139+149	n/a	E689A	0.0095	ng/g wwt	0.431	0.281	42.3%	50%	----
		PCB 141	52712-04-6	E689A	0.0095	ng/g wwt	0.155	0.102	40.7%	50%	----
		PCB 151	52663-63-5	E689A	0.0095	ng/g wwt	0.111	0.0703	44.8%	50%	----
		PCB 153	35065-27-1	E689A	0.0095	ng/g wwt	0.695	0.462	40.2%	50%	----
		PCB 156	38380-08-4	E689A	0.0095	ng/g wwt	0.0857	0.0627	31.0%	50%	----
		PCB 157	69782-90-7	E689A	0.0095	ng/g wwt	0.0213	0.0147	0.0066	Diff <2x LOR	----
		PCB 158+160	n/a	E689A	0.0095	ng/g wwt	0.0965	0.0718	29.3%	50%	----
		PCB 159	39635-35-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0095	ng/g wwt	0.329	0.322	2.17%	50%	----
		PCB 171	52663-71-5	E689A	0.0095	ng/g wwt	0.0626	0.0409	41.9%	50%	----
		PCB 172+192	n/a	E689A	0.0095	ng/g wwt	0.0403	0.0271	0.0132	Diff <2x LOR	----
		PCB 174+181	n/a	E689A	0.0095	ng/g wwt	0.247	0.153	47.0%	50%	----
		PCB 177	52663-70-4	E689A	0.0095	ng/g wwt	0.129	0.0865	39.8%	50%	----
		PCB 180	35065-29-3	E689A	0.0095	ng/g wwt	0.616	0.406	41.2%	50%	----
		PCB 182+187	n/a	E689A	0.0095	ng/g wwt	0.275	0.170	46.9%	50%	----
		PCB 183	52663-69-1	E689A	0.0095	ng/g wwt	0.129	0.0808	46.2%	50%	----
		PCB 185	52712-05-7	E689A	0.0095	ng/g wwt	0.0266	0.0158	0.0108	Diff <2x LOR	----
		PCB 189	39635-31-9	E689A	0.0095	ng/g wwt	0.0114	0.0096	0.0018	Diff <2x LOR	----
		PCB 191	74472-50-7	E689A	0.0095	ng/g wwt	0.491	<0.0095	192%	50%	DUP-H,U
		PCB 193	69782-91-8	E689A	0.0095	ng/g wwt	0.0374	0.0232	0.0142	Diff <2x LOR	----
		PCB 194	35694-08-7	E689A	0.0095	ng/g wwt	0.136	0.0786	53.9%	50%	DUP-H
		PCB 195	52663-78-2	E689A	0.0095	ng/g wwt	0.0480	0.0349	31.7%	50%	----
		PCB 196+203	n/a	E689A	0.0095	ng/g wwt	0.153	0.0927	49.3%	50%	----
		PCB 199	52663-75-9	E689A	0.0095	ng/g wwt	0.127	0.0803	45.0%	50%	----
		PCB 201+204	n/a	E689A	0.0095	ng/g wwt	0.0125	0.0135	0.0010	Diff <2x LOR	----
		PCB 202	2136-99-4	E689A	0.0095	ng/g wwt	0.0131	0.0102	0.0029	Diff <2x LOR	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754767) - continued											
BU2400982-007	L2756004-9 15867240527006	PCB 205	74472-53-0	E689A	0.0095	ng/g wwt	0.107	<0.0095	167%	50%	DUP-H,U
		PCB 206	40186-72-9	E689A	0.0095	ng/g wwt	0.0231	0.0165	0.0066	Diff <2x LOR	----
		PCB 207	52663-79-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
		PCB 209	2051-24-3	E689A	0.0095	ng/g wwt	<0.0098	<0.0095	0.0003	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754769)											
BU2400982-001	L2756004-3 15867240527003	PCB 001	2051-60-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 003	2051-62-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 004+010	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 005+008	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 006	25569-80-6	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 007+009	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 011	2050-67-1	E689A	0.0099	ng/g wwt	0.150	# 0.0226	0.127	Diff <2x LOR	B,DUP-H
		PCB 012+013	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 015	2050-68-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 016+032	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 017	37680-66-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 018	37680-65-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 019	38444-73-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 022	38444-85-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 024+027	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 025	55712-37-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 026	38444-81-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 028+031	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 037	38444-90-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 040	38444-93-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 042+059	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 043+049	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 044	41464-39-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 045	70362-45-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 046	41464-47-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754769) - continued											
BU2400982-001	L2756004-3 15867240527003	PCB 047+048+075	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 052+073	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 053	41464-41-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 056+060	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 057	70424-67-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 061+074	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 063	74472-34-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 066+080	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 070+076	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 077	32598-13-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 081	70362-50-4	E689A	0.0500	ng/g wwt	<0.0674	<0.0500	0.0174	Diff <2x LOR	U
		PCB 082	52663-62-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 083+108	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689A	0.0099	ng/g wwt	0.119	# 0.0162	0.103	Diff <2x LOR	DUP-H
		PCB 085+120	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689A	0.0099	ng/g wwt	0.0690	<0.0099	0.0591	Diff <2x LOR	U
		PCB 091	68194-05-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 092	52663-61-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 093+095	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 097	41464-51-1	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 099	38380-01-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 105+127	n/a	E689A	0.0099	ng/g wwt	0.0877	0.0133	0.0744	Diff <2x LOR	----
		PCB 106+118	n/a	E689A	0.0099	ng/g wwt	0.158	# 0.0262	0.131	Diff <2x LOR	DUP-H
		PCB 107+109	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 110	38380-03-9	E689A	0.0099	ng/g wwt	0.112	# 0.0151	0.0965	Diff <2x LOR	DUP-H
		PCB 114	74472-37-0	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 123	65510-44-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 126	57465-28-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 128+167	n/a	E689A	0.0099	ng/g wwt	0.0805	0.0107	0.0699	Diff <2x LOR	----
		PCB 129	55215-18-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 132+168	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 135+144	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754769) - continued											
BU2400982-001	L2756004-3 15867240527003	PCB 136	38411-22-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 137	35694-06-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689A	0.0099	ng/g wwt	0.316	0.0423	153%	50%	DUP-H
		PCB 139+149	n/a	E689A	0.0099	ng/g wwt	0.147	# 0.0175	0.129	Diff <2x LOR	DUP-H
		PCB 141	52712-04-6	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 151	52663-63-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 153	35065-27-1	E689A	0.0099	ng/g wwt	0.268	# 0.0346	0.233	Diff <2x LOR	DUP-H
		PCB 156	38380-08-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 157	69782-90-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 158+160	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 159	39635-35-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 169	32774-16-6	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 170+190	n/a	E689A	0.0099	ng/g wwt	0.118	# <0.0099	0.108	Diff <2x LOR	DUP-H,U
		PCB 171	52663-71-5	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 172+192	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 174+181	n/a	E689A	0.0099	ng/g wwt	0.0840	0.0108	0.0732	Diff <2x LOR	----
		PCB 177	52663-70-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 180	35065-29-3	E689A	0.0099	ng/g wwt	0.249	# 0.0381	0.211	Diff <2x LOR	DUP-H
		PCB 182+187	n/a	E689A	0.0099	ng/g wwt	0.105	# 0.0127	0.0919	Diff <2x LOR	DUP-H
		PCB 183	52663-69-1	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 185	52712-05-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 189	39635-31-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 191	74472-50-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 193	69782-91-8	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 194	35694-08-7	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 195	52663-78-2	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 196+203	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 199	52663-75-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 201+204	n/a	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 202	2136-99-4	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 205	74472-53-0	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 206	40186-72-9	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 207	52663-79-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
		PCB 208	52663-77-1	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754769) - continued											
BU2400982-001	L2756004-3 15867240527003	PCB 209	2051-24-3	E689A	0.0099	ng/g wwt	<0.0674	<0.0099	0.0575	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754775)											
BU2400982-066	L2756004-88 15867240529218	PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 004+010	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 005+008	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 007+009	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 012+013	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 016+032	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 024+027	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 028+031	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 042+059	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 043+049	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 052+073	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 056+060	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754775) - continued											
BU2400982-066	L2756004-88 15867240529218	PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 061+074	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	0.049	0.024	Diff <2x LOR	----
		PCB 066+080	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 070+076	n/a	E689	0.025	ng/g	<0.025	0.212	158%	50%	DUP-H
		PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 083+108	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689	0.025	ng/g	0.026	<0.025	0.001	Diff <2x LOR	U
		PCB 085+120	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 093+095	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 105+127	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 106+118	n/a	E689	0.025	ng/g	0.035	0.030	0.005	Diff <2x LOR	----
		PCB 107+109	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 128+167	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 132+168	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 135+144	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689	0.025	ng/g	0.081	0.082	0.0010	Diff <2x LOR	----
		PCB 139+149	n/a	E689	0.025	ng/g	0.042	0.039	0.003	Diff <2x LOR	----

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754775) - continued											
BU2400982-066	L2756004-88 15867240529218	PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 153	35065-27-1	E689	0.025	ng/g	0.086	0.079	0.006	Diff <2x LOR	----
		PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 158+160	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 170+190	n/a	E689	0.025	ng/g	0.037	0.042	0.005	Diff <2x LOR	----
		PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 172+192	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 174+181	n/a	E689	0.025	ng/g	0.028	0.034	0.007	Diff <2x LOR	----
		PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 180	35065-29-3	E689	0.025	ng/g	0.102	0.118	13.8%	50%	----
		PCB 182+187	n/a	E689	0.025	ng/g	0.052	0.055	0.003	Diff <2x LOR	----
		PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 196+203	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	0.025	0.0004	Diff <2x LOR	----
		PCB 201+204	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
Polychlorinated Biphenyls (QC Lot: 1754776)											
BU2400982-050	L2756004-72 15867240527202	PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	0.270	166%	50%	DUP-H

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754776) - continued											
BU2400982-050	L2756004-72 15867240527202	PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 004+010	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 005+008	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 007+009	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 012+013	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 016+032	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	# 0.163	0.138	Diff <2x LOR	DUP-H
		PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	# 0.167	0.142	Diff <2x LOR	DUP-H
		PCB 024+027	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	0.055	0.030	Diff <2x LOR	----
		PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	0.413	177%	50%	DUP-H
		PCB 028+031	n/a	E689	0.025	ng/g	<0.025	0.048	0.023	Diff <2x LOR	----
		PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 042+059	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 043+049	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 052+073	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 056+060	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 061+074	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 066+080	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754776) - continued											
BU2400982-050	L2756004-72 15867240527202	PCB 070+076	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 083+108	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 084+089+090+101	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 085+120	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 093+095	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 105+127	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 106+118	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 107+109	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 128+167	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 132+168	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 135+144	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 138+163+164	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 139+149	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 153	35065-27-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Sub-Matrix: **Biota**

					Laboratory Duplicate (DUP) Report						
Laboratory sample ID	*Client sample ID*	*Analyte*	*CAS Number*	*Method*	*LOR*	*Unit*	*Original Result*	*Duplicate Result*	*RPD(%) or Difference*	*Duplicate Limits*	*Qualifier*
Polychlorinated Biphenyls (QC Lot: 1754776) - continued											
BU2400982-050	L2756004-72 15867240527202	PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 158+160	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 170+190	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 172+192	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 174+181	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 180	35065-29-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 182+187	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 196+203	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 201+204	n/a	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U
		PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	<0.025	0	Diff <2x LOR	U

Qualifiers

Qualifier	*Description*
B	*Method Blank exceeds ALS DQO. Associated sample results which are < Limit of Reporting or > 5 times blank level are considered reliable.*
DUP-H	*Duplicate results outside ALS DQO, due to sample heterogeneity.*
U	*Not Detected.*

Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1754820)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755121)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755167)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755216)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755311)						
Moisture	----	E144	0.5	%	<0.50	----
Physical Tests (QCLot: 1755369)						
Moisture	----	E144	0.5	%	<0.50	----
Polychlorinated Biphenyls (QCLot: 1754608)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.0092	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued						
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued						
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued						
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754612)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued						
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued						
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754619)						
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued						
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued						
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued						
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754767)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued						
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued						
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued						
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754769)						
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 004+010	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 005+008	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 007+009	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.0100	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 016+032	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 024+027	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 028+031	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued						
PCB 042+059	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 043+049	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 052+073	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 056+060	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 061+074	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 066+080	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 070+076	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 083+108	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 085+120	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 093+095	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 105+127	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 106+118	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 107+109	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 128+167	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued						
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 132+168	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 135+144	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 139+149	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 158+160	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	<0.0050	U
PCB 170+190	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	<0.0050	U
PCB 172+192	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 174+181	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 182+187	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	<0.0050	U
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	<0.0050	U
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	<0.0050	U
PCB 196+203	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	<0.0050	U
PCB 201+204	n/a	E689A	0.005	ng/g wwt	<0.0050	U
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	<0.0050	U
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	<0.0050	U
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	<0.0050	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued						
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	<0.0050	U
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	<0.0050	U
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	<0.0050	U
Polychlorinated Biphenyls (QCLot: 1754775)						
PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	U
PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	U
PCB 004+010	n/a	E689	0.025	ng/g	<0.025	U
PCB 005+008	n/a	E689	0.025	ng/g	<0.025	U
PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	U
PCB 007+009	n/a	E689	0.025	ng/g	<0.025	U
PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	U
PCB 012+013	n/a	E689	0.025	ng/g	<0.025	U
PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	U
PCB 016+032	n/a	E689	0.025	ng/g	<0.025	U
PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	U
PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	U
PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	U
PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	U
PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	U
PCB 024+027	n/a	E689	0.025	ng/g	<0.025	U
PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	U
PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	U
PCB 028+031	n/a	E689	0.025	ng/g	<0.025	U
PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	U
PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	U
PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	U
PCB 042+059	n/a	E689	0.025	ng/g	<0.025	U
PCB 043+049	n/a	E689	0.025	ng/g	<0.025	U
PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	U
PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	U
PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	U
PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	U
PCB 052+073	n/a	E689	0.025	ng/g	<0.025	U
PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	U
PCB 056+060	n/a	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued						
PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	U
PCB 061+074	n/a	E689	0.025	ng/g	<0.025	U
PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	U
PCB 066+080	n/a	E689	0.025	ng/g	<0.025	U
PCB 070+076	n/a	E689	0.025	ng/g	<0.025	U
PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	U
PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	U
PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	U
PCB 083+108	n/a	E689	0.025	ng/g	<0.025	U
PCB 084+089+090+101	n/a	E689	0.025	ng/g	<0.025	U
PCB 085+120	n/a	E689	0.025	ng/g	<0.025	U
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	U
PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	U
PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	U
PCB 093+095	n/a	E689	0.025	ng/g	<0.025	U
PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	U
PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	U
PCB 105+127	n/a	E689	0.025	ng/g	<0.025	U
PCB 106+118	n/a	E689	0.025	ng/g	<0.025	U
PCB 107+109	n/a	E689	0.025	ng/g	<0.025	U
PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	U
PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	U
PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	U
PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	U
PCB 128+167	n/a	E689	0.025	ng/g	<0.025	U
PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	U
PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	U
PCB 132+168	n/a	E689	0.025	ng/g	<0.025	U
PCB 135+144	n/a	E689	0.025	ng/g	<0.025	U
PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	U
PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	U
PCB 138+163+164	n/a	E689	0.025	ng/g	<0.025	U
PCB 139+149	n/a	E689	0.025	ng/g	<0.025	U
PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	U
PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued						
PCB 153	35065-27-1	E689	0.025	ng/g	<0.025	U
PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	U
PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	U
PCB 158+160	n/a	E689	0.025	ng/g	<0.025	U
PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	U
PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	U
PCB 170+190	n/a	E689	0.025	ng/g	<0.025	U
PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	U
PCB 172+192	n/a	E689	0.025	ng/g	<0.025	U
PCB 174+181	n/a	E689	0.025	ng/g	<0.025	U
PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	U
PCB 180	35065-29-3	E689	0.025	ng/g	<0.025	U
PCB 182+187	n/a	E689	0.025	ng/g	<0.025	U
PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	U
PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	U
PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	U
PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	U
PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	U
PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	U
PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	U
PCB 196+203	n/a	E689	0.025	ng/g	<0.025	U
PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	U
PCB 201+204	n/a	E689	0.025	ng/g	<0.025	U
PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	U
PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	U
PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	U
PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	U
PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	U
PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	U
Polychlorinated Biphenyls (QCLot: 1754776)						
PCB 001	2051-60-7	E689	0.025	ng/g	<0.025	U
PCB 003	2051-62-9	E689	0.025	ng/g	<0.025	U
PCB 004+010	n/a	E689	0.025	ng/g	<0.025	U
PCB 005+008	n/a	E689	0.025	ng/g	<0.025	U
PCB 006	25569-80-6	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued						
PCB 007+009	n/a	E689	0.025	ng/g	<0.025	U
PCB 011	2050-67-1	E689	0.025	ng/g	<0.025	U
PCB 012+013	n/a	E689	0.025	ng/g	<0.025	U
PCB 015	2050-68-2	E689	0.025	ng/g	<0.025	U
PCB 016+032	n/a	E689	0.025	ng/g	<0.025	U
PCB 017	37680-66-3	E689	0.025	ng/g	<0.025	U
PCB 018	37680-65-2	E689	0.025	ng/g	<0.025	U
PCB 019	38444-73-4	E689	0.025	ng/g	<0.025	U
PCB 020+021+033	n/a	E689	0.025	ng/g	<0.025	U
PCB 022	38444-85-8	E689	0.025	ng/g	<0.025	U
PCB 024+027	n/a	E689	0.025	ng/g	<0.025	U
PCB 025	55712-37-3	E689	0.025	ng/g	<0.025	U
PCB 026	38444-81-4	E689	0.025	ng/g	<0.025	U
PCB 028+031	n/a	E689	0.025	ng/g	<0.025	U
PCB 037	38444-90-5	E689	0.025	ng/g	<0.025	U
PCB 040	38444-93-8	E689	0.025	ng/g	<0.025	U
PCB 041+064+068+071	n/a	E689	0.025	ng/g	<0.025	U
PCB 042+059	n/a	E689	0.025	ng/g	<0.025	U
PCB 043+049	n/a	E689	0.025	ng/g	<0.025	U
PCB 044	41464-39-5	E689	0.025	ng/g	<0.025	U
PCB 045	70362-45-7	E689	0.025	ng/g	<0.025	U
PCB 046	41464-47-5	E689	0.025	ng/g	<0.025	U
PCB 047+048+075	n/a	E689	0.025	ng/g	<0.025	U
PCB 052+073	n/a	E689	0.025	ng/g	<0.025	U
PCB 053	41464-41-9	E689	0.025	ng/g	<0.025	U
PCB 056+060	n/a	E689	0.025	ng/g	<0.025	U
PCB 057	70424-67-8	E689	0.025	ng/g	<0.025	U
PCB 061+074	n/a	E689	0.025	ng/g	<0.025	U
PCB 063	74472-34-7	E689	0.025	ng/g	<0.025	U
PCB 066+080	n/a	E689	0.025	ng/g	<0.025	U
PCB 070+076	n/a	E689	0.025	ng/g	<0.025	U
PCB 077	32598-13-3	E689	0.025	ng/g	<0.025	U
PCB 081	70362-50-4	E689	0.025	ng/g	<0.025	U
PCB 082	52663-62-4	E689	0.025	ng/g	<0.025	U
PCB 083+108	n/a	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued						
PCB 084+089+090+101	n/a	E689	0.025	ng/g	<0.025	U
PCB 085+120	n/a	E689	0.025	ng/g	<0.025	U
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	<0.025	U
PCB 091	68194-05-8	E689	0.025	ng/g	<0.025	U
PCB 092	52663-61-3	E689	0.025	ng/g	<0.025	U
PCB 093+095	n/a	E689	0.025	ng/g	<0.025	U
PCB 097	41464-51-1	E689	0.025	ng/g	<0.025	U
PCB 099	38380-01-7	E689	0.025	ng/g	<0.025	U
PCB 105+127	n/a	E689	0.025	ng/g	<0.025	U
PCB 106+118	n/a	E689	0.025	ng/g	<0.025	U
PCB 107+109	n/a	E689	0.025	ng/g	<0.025	U
PCB 110	38380-03-9	E689	0.025	ng/g	<0.025	U
PCB 114	74472-37-0	E689	0.025	ng/g	<0.025	U
PCB 123	65510-44-3	E689	0.025	ng/g	<0.025	U
PCB 126	57465-28-8	E689	0.025	ng/g	<0.025	U
PCB 128+167	n/a	E689	0.025	ng/g	<0.025	U
PCB 129	55215-18-4	E689	0.025	ng/g	<0.025	U
PCB 131+142+146+165	n/a	E689	0.025	ng/g	<0.025	U
PCB 132+168	n/a	E689	0.025	ng/g	<0.025	U
PCB 135+144	n/a	E689	0.025	ng/g	<0.025	U
PCB 136	38411-22-2	E689	0.025	ng/g	<0.025	U
PCB 137	35694-06-5	E689	0.025	ng/g	<0.025	U
PCB 138+163+164	n/a	E689	0.025	ng/g	<0.025	U
PCB 139+149	n/a	E689	0.025	ng/g	<0.025	U
PCB 141	52712-04-6	E689	0.025	ng/g	<0.025	U
PCB 151	52663-63-5	E689	0.025	ng/g	<0.025	U
PCB 153	35065-27-1	E689	0.025	ng/g	<0.025	U
PCB 156	38380-08-4	E689	0.025	ng/g	<0.025	U
PCB 157	69782-90-7	E689	0.025	ng/g	<0.025	U
PCB 158+160	n/a	E689	0.025	ng/g	<0.025	U
PCB 159	39635-35-3	E689	0.025	ng/g	<0.025	U
PCB 169	32774-16-6	E689	0.025	ng/g	<0.025	U
PCB 170+190	n/a	E689	0.025	ng/g	<0.025	U
PCB 171	52663-71-5	E689	0.025	ng/g	<0.025	U
PCB 172+192	n/a	E689	0.025	ng/g	<0.025	U

Sub-Matrix: **Biota**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued						
PCB 174+181	n/a	E689	0.025	ng/g	<0.025	U
PCB 177	52663-70-4	E689	0.025	ng/g	<0.025	U
PCB 180	35065-29-3	E689	0.025	ng/g	<0.025	U
PCB 182+187	n/a	E689	0.025	ng/g	<0.025	U
PCB 183	52663-69-1	E689	0.025	ng/g	<0.025	U
PCB 185	52712-05-7	E689	0.025	ng/g	<0.025	U
PCB 189	39635-31-9	E689	0.025	ng/g	<0.025	U
PCB 191	74472-50-7	E689	0.025	ng/g	<0.025	U
PCB 193	69782-91-8	E689	0.025	ng/g	<0.025	U
PCB 194	35694-08-7	E689	0.025	ng/g	<0.025	U
PCB 195	52663-78-2	E689	0.025	ng/g	<0.025	----
PCB 196+203	n/a	E689	0.025	ng/g	<0.025	U
PCB 199	52663-75-9	E689	0.025	ng/g	<0.025	U
PCB 201+204	n/a	E689	0.025	ng/g	<0.025	U
PCB 202	2136-99-4	E689	0.025	ng/g	<0.025	U
PCB 205	74472-53-0	E689	0.025	ng/g	<0.025	U
PCB 206	40186-72-9	E689	0.025	ng/g	<0.025	U
PCB 207	52663-79-3	E689	0.025	ng/g	<0.025	U
PCB 208	52663-77-1	E689	0.025	ng/g	<0.025	U
PCB 209	2051-24-3	E689	0.025	ng/g	<0.025	U

Laboratory Control Sample (LCS) Report

A Laboratory Control Sample (LCS) is an analyte-free matrix that has been fortified (spiked) with test analytes at known concentration and processed in an identical manner to test samples. LCS results are expressed as percent recovery, and are used to monitor and control test method accuracy and precision, independent of test sample matrix.

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1754820)									
Moisture	----	E144	0.5	%	50 %	98.9	90.0	110	----
Physical Tests (QCLot: 1755121)									
Moisture	----	E144	0.5	%	50 %	98.1	90.0	110	----
Physical Tests (QCLot: 1755167)									
Moisture	----	E144	0.5	%	50 %	100	90.0	110	----
Physical Tests (QCLot: 1755216)									
Moisture	----	E144	0.5	%	50 %	97.6	90.0	110	----
Physical Tests (QCLot: 1755311)									
Moisture	----	E144	0.5	%	50 %	98.9	90.0	110	----
Physical Tests (QCLot: 1755369)									
Moisture	----	E144	0.5	%	50 %	99.9	90.0	110	----
Polychlorinated Biphenyls (QCLot: 1754608)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	111	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	100	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.8	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	116	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	94.6	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	99.0	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	102	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	108	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	100	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	109	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	99.6	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	101	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.9	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	87.1	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	101	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	102	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	117	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	111	50.0	150	----
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.0	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	114	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.0	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.0	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	80.3	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	117	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.8	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.3	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	80.4	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.2	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	86.6	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	75.5	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	77.6	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	101	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	109	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.5	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	101	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	97.9	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.0	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	88.1	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	106	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	81.9	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.6	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.0	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.9	50.0	150	----
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.8	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.2	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.5	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	116	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.0	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.9	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.6	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.3	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	91.9	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.5	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.4	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.4	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	102	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	91.4	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	101	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	97.7	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	88.4	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.7	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	90.4	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	83.5	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	81.3	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	78.3	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	73.6	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754612)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	113	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	96.1	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	119	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	129	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	117	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	98.7	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	89.0	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	90.9	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	101	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	109	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	115	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	101	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	127	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	117	50.0	150	----
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	89.4	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.3	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	101	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.6	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.7	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	106	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	122	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	105	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	113	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	92.4	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	124	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	95.5	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	82.1	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.8	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	118	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	71.1	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	125	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	120	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.7	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	120	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.7	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.0	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.8	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	90.0	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.5	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	117	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	119	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	105	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	109	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	91.7	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	118	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	123	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.7	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	126	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	106	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	103	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	80.8	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	95.4	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.3	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	110	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	103	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	109	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	101	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	109	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	96.7	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	92.2	50.0	150	----
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	83.2	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.7	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	76.6	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	74.5	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754619)									
PCB 001	2051-60-7	E689A	----	ng/g wwt	0.2 ng/g wwt	129	50.0	150	----
PCB 003	2051-62-9	E689A	----	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	102	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.2	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	136	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	138	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	101	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	85.8	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	84.7	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	113	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	107	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	116	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.3	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	114	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	104	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.5	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	102	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	99.5	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	85.4	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.6	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.8	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.4	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	99.3	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	115	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	126	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	112	50.0	150	----
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	122	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	106	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	119	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.6	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	100	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	78.2	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	114	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.6	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.0	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	80.0	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	84.2	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.0	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	74.1	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	86.8	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	113	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.8	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.9	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.3	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	104	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	97.1	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	88.6	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.0	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	104	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	79.3	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	100	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	76.1	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.4	50.0	150	----
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.2	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	100	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.2	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	116	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.0	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.8	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.9	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.7	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	93.8	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.4	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.9	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.5	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	99.2	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	91.7	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	102	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	99.3	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	87.8	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.3	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	89.5	50.0	150	----
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	81.3	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	78.9	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	76.2	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	71.7	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754767)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	105	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	96.3	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.5	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	106	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	109	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	98.6	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	94.3	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	97.8	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	102	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	101	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	113	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	104	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	110	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	95.6	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	104	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	89.0	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	103	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	119	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	114	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.6	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	113	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.2	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	74.4	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	83.0	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	101	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	115	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.8	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.4	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	85.4	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.4	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	88.3	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	68.2	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	72.6	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	102	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.4	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.1	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.2	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	107	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	98.5	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	114	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	99.3	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	97.3	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	108	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	86.4	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	104	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	86.9	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.5	50.0	150	----
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.0	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	118	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.3	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.1	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	110	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.8	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	95.2	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	100	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	90.1	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	81.5	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	92.6	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	89.8	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.2	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.2	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.7	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	86.9	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	98.4	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	95.4	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	91.2	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	93.5	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	89.0	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	82.3	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	79.3	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	76.1	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	71.6	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754769)									
PCB 001	2051-60-7	E689A	0.005	ng/g wwt	0.2 ng/g wwt	125	50.0	150	----
PCB 003	2051-62-9	E689A	0.005	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 004+010	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	121	50.0	150	----
PCB 005+008	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	124	50.0	150	----
PCB 006	25569-80-6	E689A	0.005	ng/g wwt	0.2 ng/g wwt	124	50.0	150	----
PCB 007+009	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	121	50.0	150	----
PCB 011	2050-67-1	E689A	0.005	ng/g wwt	0.2 ng/g wwt	144	50.0	150	----
PCB 012+013	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	134	50.0	150	----
PCB 015	2050-68-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	103	50.0	150	----
PCB 016+032	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	111	50.0	150	----
PCB 017	37680-66-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	91.6	50.0	150	----
PCB 018	37680-65-2	E689A	0.005	ng/g wwt	0.2 ng/g wwt	86.7	50.0	150	----
PCB 019	38444-73-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	116	50.0	150	----
PCB 020+021+033	n/a	E689A	0.005	ng/g wwt	0.6 ng/g wwt	109	50.0	150	----
PCB 022	38444-85-8	E689A	0.005	ng/g wwt	0.2 ng/g wwt	112	50.0	150	----
PCB 024+027	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.0	50.0	150	----
PCB 025	55712-37-3	E689A	0.005	ng/g wwt	0.2 ng/g wwt	109	50.0	150	----
PCB 026	38444-81-4	E689A	0.005	ng/g wwt	0.2 ng/g wwt	125	50.0	150	----
PCB 028+031	n/a	E689A	0.005	ng/g wwt	0.4 ng/g wwt	119	50.0	150	----
PCB 037	38444-90-5	E689A	0.005	ng/g wwt	0.2 ng/g wwt	99.6	50.0	150	----
PCB 040	38444-93-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 041+064+068+071	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	106	50.0	150	----
PCB 042+059	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	94.4	50.0	150	----
PCB 043+049	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	96.2	50.0	150	----
PCB 044	41464-39-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.3	50.0	150	----
PCB 045	70362-45-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.5	50.0	150	----
PCB 046	41464-47-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.4	50.0	150	----
PCB 047+048+075	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	114	50.0	150	----
PCB 052+073	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	122	50.0	150	----
PCB 053	41464-41-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	127	50.0	150	----
PCB 056+060	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	121	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
PCB 057	70424-67-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	129	50.0	150	----
PCB 061+074	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	103	50.0	150	----
PCB 063	74472-34-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	136	50.0	150	----
PCB 066+080	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	115	50.0	150	----
PCB 070+076	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	112	50.0	150	----
PCB 077	32598-13-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 081	70362-50-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 082	52663-62-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.9	50.0	150	----
PCB 083+108	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	104	50.0	150	----
PCB 084+089+090+101	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	81.0	50.0	150	----
PCB 085+120	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	125	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689A	0.005	ng/g wwt	2.8 ng/g wwt	115	50.0	150	----
PCB 091	68194-05-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	88.8	50.0	150	----
PCB 092	52663-61-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	116	50.0	150	----
PCB 093+095	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	76.2	50.0	150	----
PCB 097	41464-51-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.2	50.0	150	----
PCB 099	38380-01-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	86.6	50.0	150	----
PCB 105+127	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	87.6	50.0	150	----
PCB 106+118	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	81.4	50.0	150	----
PCB 107+109	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	109	50.0	150	----
PCB 110	38380-03-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	96.7	50.0	150	----
PCB 114	74472-37-0	E689A	0.005	ng/g wwt	0.4 ng/g wwt	102	50.0	150	----
PCB 123	65510-44-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	107	50.0	150	----
PCB 126	57465-28-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 128+167	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	118	50.0	150	----
PCB 129	55215-18-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	99.8	50.0	150	----
PCB 131+142+146+165	n/a	E689A	0.005	ng/g wwt	1.6 ng/g wwt	104	50.0	150	----
PCB 132+168	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	98.6	50.0	150	----
PCB 135+144	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	94.7	50.0	150	----
PCB 136	38411-22-2	E689A	0.005	ng/g wwt	0.4 ng/g wwt	112	50.0	150	----
PCB 137	35694-06-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	92.2	50.0	150	----
PCB 138+163+164	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	102	50.0	150	----
PCB 139+149	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	77.1	50.0	150	----
PCB 141	52712-04-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	95.8	50.0	150	----
PCB 151	52663-63-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	91.5	50.0	150	----
PCB 153	35065-27-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	108	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
PCB 156	38380-08-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 157	69782-90-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 158+160	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	88.6	50.0	150	----
PCB 159	39635-35-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	103	50.0	150	----
PCB 169	32774-16-6	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 170+190	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	118	50.0	150	----
PCB 171	52663-71-5	E689A	0.005	ng/g wwt	0.4 ng/g wwt	93.6	50.0	150	----
PCB 172+192	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	103	50.0	150	----
PCB 174+181	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	88.6	50.0	150	----
PCB 177	52663-70-4	E689A	0.005	ng/g wwt	0.4 ng/g wwt	94.2	50.0	150	----
PCB 180	35065-29-3	E689A	0.005	ng/g wwt	0.4 ng/g wwt	85.1	50.0	150	----
PCB 182+187	n/a	E689A	0.005	ng/g wwt	0.8 ng/g wwt	92.1	50.0	150	----
PCB 183	52663-69-1	E689A	0.005	ng/g wwt	0.4 ng/g wwt	106	50.0	150	----
PCB 185	52712-05-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	87.5	50.0	150	----
PCB 189	39635-31-9	E689A	0.005	ng/g wwt	0.4 ng/g wwt	109	50.0	150	----
PCB 191	74472-50-7	E689A	0.005	ng/g wwt	0.4 ng/g wwt	110	50.0	150	----
PCB 193	69782-91-8	E689A	0.005	ng/g wwt	0.4 ng/g wwt	105	50.0	150	----
PCB 194	35694-08-7	E689A	0.005	ng/g wwt	0.6 ng/g wwt	109	50.0	150	----
PCB 195	52663-78-2	E689A	0.005	ng/g wwt	0.6 ng/g wwt	90.1	50.0	150	----
PCB 196+203	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	106	50.0	150	----
PCB 199	52663-75-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	93.9	50.0	150	----
PCB 201+204	n/a	E689A	0.005	ng/g wwt	1.2 ng/g wwt	103	50.0	150	----
PCB 202	2136-99-4	E689A	0.005	ng/g wwt	0.6 ng/g wwt	94.1	50.0	150	----
PCB 205	74472-53-0	E689A	0.005	ng/g wwt	0.6 ng/g wwt	86.9	50.0	150	----
PCB 206	40186-72-9	E689A	0.005	ng/g wwt	0.6 ng/g wwt	83.4	50.0	150	----
PCB 207	52663-79-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	92.1	50.0	150	----
PCB 208	52663-77-1	E689A	0.005	ng/g wwt	0.6 ng/g wwt	75.6	50.0	150	----
PCB 209	2051-24-3	E689A	0.005	ng/g wwt	0.6 ng/g wwt	71.3	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754775)									
PCB 001	2051-60-7	E689	0.025	ng/g	0.2 ng/g	101	50.0	150	----
PCB 003	2051-62-9	E689	0.025	ng/g	0.2 ng/g	88.4	50.0	150	----
PCB 004+010	n/a	E689	0.025	ng/g	0.4 ng/g	88.1	50.0	150	----
PCB 005+008	n/a	E689	0.025	ng/g	0.4 ng/g	71.5	50.0	150	----
PCB 006	25569-80-6	E689	0.025	ng/g	0.2 ng/g	75.8	50.0	150	----
PCB 007+009	n/a	E689	0.025	ng/g	0.4 ng/g	71.0	50.0	150	----
PCB 011	2050-67-1	E689	0.025	ng/g	0.2 ng/g	104	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
PCB 012+013	n/a	E689	0.025	ng/g	0.4 ng/g	116	50.0	150	----
PCB 015	2050-68-2	E689	0.025	ng/g	0.2 ng/g	93.8	50.0	150	----
PCB 016+032	n/a	E689	0.025	ng/g	0.4 ng/g	72.8	50.0	150	----
PCB 017	37680-66-3	E689	0.025	ng/g	0.2 ng/g	83.7	50.0	150	----
PCB 018	37680-65-2	E689	0.025	ng/g	0.2 ng/g	74.8	50.0	150	----
PCB 019	38444-73-4	E689	0.025	ng/g	0.2 ng/g	94.1	50.0	150	----
PCB 020+021+033	n/a	E689	0.025	ng/g	0.6 ng/g	113	50.0	150	----
PCB 022	38444-85-8	E689	0.025	ng/g	0.2 ng/g	108	50.0	150	----
PCB 024+027	n/a	E689	0.025	ng/g	0.4 ng/g	71.0	50.0	150	----
PCB 025	55712-37-3	E689	0.025	ng/g	0.2 ng/g	110	50.0	150	----
PCB 026	38444-81-4	E689	0.025	ng/g	0.2 ng/g	93.7	50.0	150	----
PCB 028+031	n/a	E689	0.025	ng/g	0.4 ng/g	114	50.0	150	----
PCB 037	38444-90-5	E689	0.025	ng/g	0.2 ng/g	88.3	50.0	150	----
PCB 040	38444-93-8	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 041+064+068+071	n/a	E689	0.025	ng/g	1.6 ng/g	107	50.0	150	----
PCB 042+059	n/a	E689	0.025	ng/g	0.8 ng/g	103	50.0	150	----
PCB 043+049	n/a	E689	0.025	ng/g	0.8 ng/g	111	50.0	150	----
PCB 044	41464-39-5	E689	0.025	ng/g	0.4 ng/g	105	50.0	150	----
PCB 045	70362-45-7	E689	0.025	ng/g	0.4 ng/g	65.8	50.0	150	----
PCB 046	41464-47-5	E689	0.025	ng/g	0.4 ng/g	80.6	50.0	150	----
PCB 047+048+075	n/a	E689	0.025	ng/g	1.2 ng/g	110	50.0	150	----
PCB 052+073	n/a	E689	0.025	ng/g	0.8 ng/g	122	50.0	150	----
PCB 053	41464-41-9	E689	0.025	ng/g	0.4 ng/g	122	50.0	150	----
PCB 056+060	n/a	E689	0.025	ng/g	0.8 ng/g	121	50.0	150	----
PCB 057	70424-67-8	E689	0.025	ng/g	0.4 ng/g	93.5	50.0	150	----
PCB 061+074	n/a	E689	0.025	ng/g	0.8 ng/g	142	50.0	150	----
PCB 063	74472-34-7	E689	0.025	ng/g	0.4 ng/g	114	50.0	150	----
PCB 066+080	n/a	E689	0.025	ng/g	0.8 ng/g	119	50.0	150	----
PCB 070+076	n/a	E689	0.025	ng/g	0.8 ng/g	112	50.0	150	----
PCB 077	32598-13-3	E689	0.025	ng/g	0.4 ng/g	109	50.0	150	----
PCB 081	70362-50-4	E689	0.025	ng/g	0.4 ng/g	81.5	50.0	150	----
PCB 082	52663-62-4	E689	0.025	ng/g	0.4 ng/g	85.0	50.0	150	----
PCB 083+108	n/a	E689	0.025	ng/g	0.8 ng/g	105	50.0	150	----
PCB 084+089+090+101	n/a	E689	0.025	ng/g	1.6 ng/g	90.9	50.0	150	----
PCB 085+120	n/a	E689	0.025	ng/g	0.8 ng/g	104	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	2.8 ng/g	# 156	50.0	150	LCS-H

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
PCB 091	68194-05-8	E689	0.025	ng/g	0.4 ng/g	107	50.0	150	----
PCB 092	52663-61-3	E689	0.025	ng/g	0.4 ng/g	101	50.0	150	----
PCB 093+095	n/a	E689	0.025	ng/g	0.8 ng/g	81.6	50.0	150	----
PCB 097	41464-51-1	E689	0.025	ng/g	0.4 ng/g	122	50.0	150	----
PCB 099	38380-01-7	E689	0.025	ng/g	0.4 ng/g	134	50.0	150	----
PCB 105+127	n/a	E689	0.025	ng/g	0.8 ng/g	71.0	50.0	150	----
PCB 106+118	n/a	E689	0.025	ng/g	0.8 ng/g	86.6	50.0	150	----
PCB 107+109	n/a	E689	0.025	ng/g	0.8 ng/g	106	50.0	150	----
PCB 110	38380-03-9	E689	0.025	ng/g	0.4 ng/g	120	50.0	150	----
PCB 114	74472-37-0	E689	0.025	ng/g	0.4 ng/g	99.1	50.0	150	----
PCB 123	65510-44-3	E689	0.025	ng/g	0.4 ng/g	107	50.0	150	----
PCB 126	57465-28-8	E689	0.025	ng/g	0.4 ng/g	121	50.0	150	----
PCB 128+167	n/a	E689	0.025	ng/g	0.8 ng/g	89.3	50.0	150	----
PCB 129	55215-18-4	E689	0.025	ng/g	0.4 ng/g	71.3	50.0	150	----
PCB 131+142+146+165	n/a	E689	0.025	ng/g	1.6 ng/g	99.8	50.0	150	----
PCB 132+168	n/a	E689	0.025	ng/g	0.8 ng/g	116	50.0	150	----
PCB 135+144	n/a	E689	0.025	ng/g	0.8 ng/g	104	50.0	150	----
PCB 136	38411-22-2	E689	0.025	ng/g	0.4 ng/g	109	50.0	150	----
PCB 137	35694-06-5	E689	0.025	ng/g	0.4 ng/g	87.7	50.0	150	----
PCB 138+163+164	n/a	E689	0.025	ng/g	1.2 ng/g	109	50.0	150	----
PCB 139+149	n/a	E689	0.025	ng/g	0.8 ng/g	101	50.0	150	----
PCB 141	52712-04-6	E689	0.025	ng/g	0.4 ng/g	112	50.0	150	----
PCB 151	52663-63-5	E689	0.025	ng/g	0.4 ng/g	97.4	50.0	150	----
PCB 153	35065-27-1	E689	0.025	ng/g	0.4 ng/g	108	50.0	150	----
PCB 156	38380-08-4	E689	0.025	ng/g	0.4 ng/g	84.0	50.0	150	----
PCB 157	69782-90-7	E689	0.025	ng/g	0.4 ng/g	109	50.0	150	----
PCB 158+160	n/a	E689	0.025	ng/g	0.8 ng/g	92.9	50.0	150	----
PCB 159	39635-35-3	E689	0.025	ng/g	0.4 ng/g	88.6	50.0	150	----
PCB 169	32774-16-6	E689	0.025	ng/g	0.4 ng/g	92.9	50.0	150	----
PCB 170+190	n/a	E689	0.025	ng/g	0.8 ng/g	72.3	50.0	150	----
PCB 171	52663-71-5	E689	0.025	ng/g	0.4 ng/g	76.1	50.0	150	----
PCB 172+192	n/a	E689	0.025	ng/g	0.8 ng/g	67.2	50.0	150	----
PCB 174+181	n/a	E689	0.025	ng/g	0.8 ng/g	79.0	50.0	150	----
PCB 177	52663-70-4	E689	0.025	ng/g	0.4 ng/g	79.8	50.0	150	----
PCB 180	35065-29-3	E689	0.025	ng/g	0.4 ng/g	62.8	50.0	150	----
PCB 182+187	n/a	E689	0.025	ng/g	0.8 ng/g	104	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
PCB 183	52663-69-1	E689	0.025	ng/g	0.4 ng/g	98.1	50.0	150	----
PCB 185	52712-05-7	E689	0.025	ng/g	0.4 ng/g	82.9	50.0	150	----
PCB 189	39635-31-9	E689	0.025	ng/g	0.4 ng/g	101	50.0	150	----
PCB 191	74472-50-7	E689	0.025	ng/g	0.4 ng/g	86.3	50.0	150	----
PCB 193	69782-91-8	E689	0.025	ng/g	0.4 ng/g	77.0	50.0	150	----
PCB 194	35694-08-7	E689	0.025	ng/g	0.6 ng/g	68.2	50.0	150	----
PCB 195	52663-78-2	E689	0.025	ng/g	0.6 ng/g	67.6	50.0	150	----
PCB 196+203	n/a	E689	0.025	ng/g	1.2 ng/g	76.4	50.0	150	----
PCB 199	52663-75-9	E689	0.025	ng/g	0.6 ng/g	98.8	50.0	150	----
PCB 201+204	n/a	E689	0.025	ng/g	1.2 ng/g	87.7	50.0	150	----
PCB 202	2136-99-4	E689	0.025	ng/g	0.6 ng/g	90.4	50.0	150	----
PCB 205	74472-53-0	E689	0.025	ng/g	0.6 ng/g	95.0	50.0	150	----
PCB 206	40186-72-9	E689	0.025	ng/g	0.6 ng/g	89.2	50.0	150	----
PCB 207	52663-79-3	E689	0.025	ng/g	0.6 ng/g	80.2	50.0	150	----
PCB 208	52663-77-1	E689	0.025	ng/g	0.6 ng/g	82.7	50.0	150	----
PCB 209	2051-24-3	E689	0.025	ng/g	0.6 ng/g	85.1	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754776)									
PCB 001	2051-60-7	E689	0.025	ng/g	0.2 ng/g	101	50.0	150	----
PCB 003	2051-62-9	E689	0.025	ng/g	0.2 ng/g	90.5	50.0	150	----
PCB 004+010	n/a	E689	0.025	ng/g	0.4 ng/g	88.6	50.0	150	----
PCB 005+008	n/a	E689	0.025	ng/g	0.4 ng/g	104	50.0	150	----
PCB 006	25569-80-6	E689	0.025	ng/g	0.2 ng/g	103	50.0	150	----
PCB 007+009	n/a	E689	0.025	ng/g	0.4 ng/g	103	50.0	150	----
PCB 011	2050-67-1	E689	0.025	ng/g	0.2 ng/g	108	50.0	150	----
PCB 012+013	n/a	E689	0.025	ng/g	0.4 ng/g	106	50.0	150	----
PCB 015	2050-68-2	E689	0.025	ng/g	0.2 ng/g	94.7	50.0	150	----
PCB 016+032	n/a	E689	0.025	ng/g	0.4 ng/g	103	50.0	150	----
PCB 017	37680-66-3	E689	0.025	ng/g	0.2 ng/g	93.7	50.0	150	----
PCB 018	37680-65-2	E689	0.025	ng/g	0.2 ng/g	96.6	50.0	150	----
PCB 019	38444-73-4	E689	0.025	ng/g	0.2 ng/g	95.7	50.0	150	----
PCB 020+021+033	n/a	E689	0.025	ng/g	0.6 ng/g	96.8	50.0	150	----
PCB 022	38444-85-8	E689	0.025	ng/g	0.2 ng/g	104	50.0	150	----
PCB 024+027	n/a	E689	0.025	ng/g	0.4 ng/g	99.7	50.0	150	----
PCB 025	55712-37-3	E689	0.025	ng/g	0.2 ng/g	97.6	50.0	150	----
PCB 026	38444-81-4	E689	0.025	ng/g	0.2 ng/g	103	50.0	150	----
PCB 028+031	n/a	E689	0.025	ng/g	0.4 ng/g	98.9	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
PCB 037	38444-90-5	E689	0.025	ng/g	0.2 ng/g	93.6	50.0	150	----
PCB 040	38444-93-8	E689	0.025	ng/g	0.4 ng/g	99.2	50.0	150	----
PCB 041+064+068+071	n/a	E689	0.025	ng/g	1.6 ng/g	99.5	50.0	150	----
PCB 042+059	n/a	E689	0.025	ng/g	0.8 ng/g	95.5	50.0	150	----
PCB 043+049	n/a	E689	0.025	ng/g	0.8 ng/g	88.9	50.0	150	----
PCB 044	41464-39-5	E689	0.025	ng/g	0.4 ng/g	98.6	50.0	150	----
PCB 045	70362-45-7	E689	0.025	ng/g	0.4 ng/g	99.4	50.0	150	----
PCB 046	41464-47-5	E689	0.025	ng/g	0.4 ng/g	100	50.0	150	----
PCB 047+048+075	n/a	E689	0.025	ng/g	1.2 ng/g	102	50.0	150	----
PCB 052+073	n/a	E689	0.025	ng/g	0.8 ng/g	117	50.0	150	----
PCB 053	41464-41-9	E689	0.025	ng/g	0.4 ng/g	102	50.0	150	----
PCB 056+060	n/a	E689	0.025	ng/g	0.8 ng/g	107	50.0	150	----
PCB 057	70424-67-8	E689	0.025	ng/g	0.4 ng/g	108	50.0	150	----
PCB 061+074	n/a	E689	0.025	ng/g	0.8 ng/g	95.6	50.0	150	----
PCB 063	74472-34-7	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 066+080	n/a	E689	0.025	ng/g	0.8 ng/g	103	50.0	150	----
PCB 070+076	n/a	E689	0.025	ng/g	0.8 ng/g	116	50.0	150	----
PCB 077	32598-13-3	E689	0.025	ng/g	0.4 ng/g	99.6	50.0	150	----
PCB 081	70362-50-4	E689	0.025	ng/g	0.4 ng/g	91.5	50.0	150	----
PCB 082	52663-62-4	E689	0.025	ng/g	0.4 ng/g	78.2	50.0	150	----
PCB 083+108	n/a	E689	0.025	ng/g	0.8 ng/g	103	50.0	150	----
PCB 084+089+090+101	n/a	E689	0.025	ng/g	1.6 ng/g	78.4	50.0	150	----
PCB 085+120	n/a	E689	0.025	ng/g	0.8 ng/g	102	50.0	150	----
PCB 086+087+111+115+116+117+125	n/a	E689	0.025	ng/g	2.8 ng/g	112	50.0	150	----
PCB 091	68194-05-8	E689	0.025	ng/g	0.4 ng/g	96.8	50.0	150	----
PCB 092	52663-61-3	E689	0.025	ng/g	0.4 ng/g	97.9	50.0	150	----
PCB 093+095	n/a	E689	0.025	ng/g	0.8 ng/g	83.3	50.0	150	----
PCB 097	41464-51-1	E689	0.025	ng/g	0.4 ng/g	91.5	50.0	150	----
PCB 099	38380-01-7	E689	0.025	ng/g	0.4 ng/g	95.7	50.0	150	----
PCB 105+127	n/a	E689	0.025	ng/g	0.8 ng/g	74.6	50.0	150	----
PCB 106+118	n/a	E689	0.025	ng/g	0.8 ng/g	77.8	50.0	150	----
PCB 107+109	n/a	E689	0.025	ng/g	0.8 ng/g	105	50.0	150	----
PCB 110	38380-03-9	E689	0.025	ng/g	0.4 ng/g	99.8	50.0	150	----
PCB 114	74472-37-0	E689	0.025	ng/g	0.4 ng/g	99.3	50.0	150	----
PCB 123	65510-44-3	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 126	57465-28-8	E689	0.025	ng/g	0.4 ng/g	104	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
PCB 128+167	n/a	E689	0.025	ng/g	0.8 ng/g	109	50.0	150	----
PCB 129	55215-18-4	E689	0.025	ng/g	0.4 ng/g	97.0	50.0	150	----
PCB 131+142+146+165	n/a	E689	0.025	ng/g	1.6 ng/g	94.4	50.0	150	----
PCB 132+168	n/a	E689	0.025	ng/g	0.8 ng/g	99.1	50.0	150	----
PCB 135+144	n/a	E689	0.025	ng/g	0.8 ng/g	93.2	50.0	150	----
PCB 136	38411-22-2	E689	0.025	ng/g	0.4 ng/g	93.2	50.0	150	----
PCB 137	35694-06-5	E689	0.025	ng/g	0.4 ng/g	92.5	50.0	150	----
PCB 138+163+164	n/a	E689	0.025	ng/g	1.2 ng/g	106	50.0	150	----
PCB 139+149	n/a	E689	0.025	ng/g	0.8 ng/g	82.5	50.0	150	----
PCB 141	52712-04-6	E689	0.025	ng/g	0.4 ng/g	97.8	50.0	150	----
PCB 151	52663-63-5	E689	0.025	ng/g	0.4 ng/g	80.8	50.0	150	----
PCB 153	35065-27-1	E689	0.025	ng/g	0.4 ng/g	88.9	50.0	150	----
PCB 156	38380-08-4	E689	0.025	ng/g	0.4 ng/g	98.3	50.0	150	----
PCB 157	69782-90-7	E689	0.025	ng/g	0.4 ng/g	100	50.0	150	----
PCB 158+160	n/a	E689	0.025	ng/g	0.8 ng/g	97.4	50.0	150	----
PCB 159	39635-35-3	E689	0.025	ng/g	0.4 ng/g	91.6	50.0	150	----
PCB 169	32774-16-6	E689	0.025	ng/g	0.4 ng/g	107	50.0	150	----
PCB 170+190	n/a	E689	0.025	ng/g	0.8 ng/g	112	50.0	150	----
PCB 171	52663-71-5	E689	0.025	ng/g	0.4 ng/g	92.5	50.0	150	----
PCB 172+192	n/a	E689	0.025	ng/g	0.8 ng/g	96.5	50.0	150	----
PCB 174+181	n/a	E689	0.025	ng/g	0.8 ng/g	102	50.0	150	----
PCB 177	52663-70-4	E689	0.025	ng/g	0.4 ng/g	90.3	50.0	150	----
PCB 180	35065-29-3	E689	0.025	ng/g	0.4 ng/g	84.3	50.0	150	----
PCB 182+187	n/a	E689	0.025	ng/g	0.8 ng/g	93.0	50.0	150	----
PCB 183	52663-69-1	E689	0.025	ng/g	0.4 ng/g	92.0	50.0	150	----
PCB 185	52712-05-7	E689	0.025	ng/g	0.4 ng/g	93.7	50.0	150	----
PCB 189	39635-31-9	E689	0.025	ng/g	0.4 ng/g	106	50.0	150	----
PCB 191	74472-50-7	E689	0.025	ng/g	0.4 ng/g	95.4	50.0	150	----
PCB 193	69782-91-8	E689	0.025	ng/g	0.4 ng/g	110	50.0	150	----
PCB 194	35694-08-7	E689	0.025	ng/g	0.6 ng/g	94.6	50.0	150	----
PCB 195	52663-78-2	E689	0.025	ng/g	0.6 ng/g	86.7	50.0	150	----
PCB 196+203	n/a	E689	0.025	ng/g	1.2 ng/g	98.8	50.0	150	----
PCB 199	52663-75-9	E689	0.025	ng/g	0.6 ng/g	96.7	50.0	150	----
PCB 201+204	n/a	E689	0.025	ng/g	1.2 ng/g	88.9	50.0	150	----
PCB 202	2136-99-4	E689	0.025	ng/g	0.6 ng/g	91.3	50.0	150	----
PCB 205	74472-53-0	E689	0.025	ng/g	0.6 ng/g	88.2	50.0	150	----

Sub-Matrix: **Biota**

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
PCB 206	40186-72-9	E689	0.025	ng/g	0.6 ng/g	80.7	50.0	150	----
PCB 207	52663-79-3	E689	0.025	ng/g	0.6 ng/g	78.3	50.0	150	----
PCB 208	52663-77-1	E689	0.025	ng/g	0.6 ng/g	74.4	50.0	150	----
PCB 209	2051-24-3	E689	0.025	ng/g	0.6 ng/g	72.0	50.0	150	----

Qualifiers

Qualifier	Description
LCS-H	Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.

Reference Material (RM) Report

A Reference Material (RM) is a homogenous material with known and well-established analyte concentrations. RMs are processed in an identical manner to test samples, and are used to monitor and control the accuracy and precision of a test method for a typical sample matrix. RM results are expressed as percent recovery of the target analyte concentration. RM targets may be certified target concentrations provided by the RM supplier, or may be ALS long-term mean values (for empirical test methods).

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608)									
QC-1754608-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	125	50.0	150	----
QC-1754608-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	109	50.0	150	----
QC-1754608-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	111	50.0	150	----
QC-1754608-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	107	50.0	150	----
QC-1754608-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	105	50.0	150	----
QC-1754608-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	150	50.0	150	----
QC-1754608-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754608-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	117	50.0	150	----
QC-1754608-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754608-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	85.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	87.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	112	50.0	150	----
QC-1754608-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	101	50.0	150	----
QC-1754608-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	110	50.0	150	----
QC-1754608-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	93.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	106	50.0	150	----
QC-1754608-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	109	50.0	150	----
QC-1754608-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754608-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	91.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	92.1	50.0	150	----
QC-1754608-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	96.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	90.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	80.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	94.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	91.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	97.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	93.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754608-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754608-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	112	50.0	150	----
QC-1754608-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	93.2	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
QC-1754608-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	91.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	98.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754608-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	90.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	76.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	100	50.0	150	----
QC-1754608-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	76.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	98.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	90.1	50.0	150	----
QC-1754608-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	76.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	88.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	93.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	73.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	75.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	104	50.0	150	----
QC-1754608-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	97.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	93.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754608-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	104	50.0	150	----
QC-1754608-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	90.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	100	50.0	150	----
QC-1754608-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	94.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	85.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	83.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	97.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	103	50.0	150	----
QC-1754608-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	76.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	93.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	74.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	84.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	92.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	98.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	92.4	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754608) - continued									
QC-1754608-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754608-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	115	50.0	150	----
QC-1754608-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	89.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	95.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	98.2	50.0	150	----
QC-1754608-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	87.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	82.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	88.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	88.3	50.0	150	----
QC-1754608-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	92.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754608-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	98.7	50.0	150	----
QC-1754608-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754608-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	98.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	91.0	50.0	150	----
QC-1754608-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	98.6	50.0	150	----
QC-1754608-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	95.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	85.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	91.8	50.0	150	----
QC-1754608-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	86.9	50.0	150	----
QC-1754608-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	80.1	50.0	150	----
QC-1754608-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	78.5	50.0	150	----
QC-1754608-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	75.4	50.0	150	----
QC-1754608-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	70.8	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754612)									
QC-1754612-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	136	50.0	150	----
QC-1754612-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	122	50.0	150	----
QC-1754612-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	128	50.0	150	----
QC-1754612-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	129	50.0	150	----
QC-1754612-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	143	50.0	150	----
QC-1754612-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	126	50.0	150	----
QC-1754612-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	99.0	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
QC-1754612-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	97.6	50.0	150	----
QC-1754612-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	123	50.0	150	----
QC-1754612-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	115	50.0	150	----
QC-1754612-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	109	50.0	150	----
QC-1754612-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	137	50.0	150	----
QC-1754612-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	127	50.0	150	----
QC-1754612-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	97.9	50.0	150	----
QC-1754612-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	127	50.0	150	----
QC-1754612-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	116	50.0	150	----
QC-1754612-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754612-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	125	50.0	150	----
QC-1754612-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	131	50.0	150	----
QC-1754612-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	150	50.0	150	----
QC-1754612-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	126	50.0	150	----
QC-1754612-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	119	50.0	150	----
QC-1754612-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	140	50.0	150	----
QC-1754612-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	119	50.0	150	----
QC-1754612-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	127	50.0	150	----
QC-1754612-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	117	50.0	150	----
QC-1754612-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	100	50.0	150	----
QC-1754612-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	137	50.0	150	----
QC-1754612-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754612-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754612-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	111	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
QC-1754612-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	93.1	50.0	150	----
QC-1754612-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754612-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	126	50.0	150	----
QC-1754612-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	123	50.0	150	----
QC-1754612-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754612-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754612-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	121	50.0	150	----
QC-1754612-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	135	50.0	150	----
QC-1754612-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	129	50.0	150	----
QC-1754612-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	117	50.0	150	----
QC-1754612-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	125	50.0	150	----
QC-1754612-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	113	50.0	150	----
QC-1754612-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	119	50.0	150	----
QC-1754612-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754612-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	114	50.0	150	----
QC-1754612-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	133	50.0	150	----
QC-1754612-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	131	50.0	150	----
QC-1754612-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	135	50.0	150	----
QC-1754612-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	124	50.0	150	----
QC-1754612-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	139	50.0	150	----
QC-1754612-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	131	50.0	150	----
QC-1754612-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	125	50.0	150	----
QC-1754612-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	118	50.0	150	----
QC-1754612-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	115	50.0	150	----
QC-1754612-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	120	50.0	150	----
QC-1754612-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	99.3	50.0	150	----
QC-1754612-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	124	50.0	150	----
QC-1754612-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754612-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	122	50.0	150	----
QC-1754612-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	124	50.0	150	----
QC-1754612-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	116	50.0	150	----
QC-1754612-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	121	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754612) - continued									
QC-1754612-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	115	50.0	150	----
QC-1754612-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	123	50.0	150	----
QC-1754612-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	121	50.0	150	----
QC-1754612-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	108	50.0	150	----
QC-1754612-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	93.9	50.0	150	----
QC-1754612-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	97.1	50.0	150	----
QC-1754612-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	110	50.0	150	----
QC-1754612-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	85.6	50.0	150	----
QC-1754612-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	84.6	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754619)									
QC-1754619-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	96.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	86.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	86.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	96.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	92.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	90.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754619-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	97.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	94.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	83.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	81.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	92.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	91.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	97.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	90.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	90.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	97.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	95.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	81.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	88.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	97.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	95.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	81.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	92.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	91.4	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
QC-1754619-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	97.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	94.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	99.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	107	50.0	150	----
QC-1754619-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	112	50.0	150	----
QC-1754619-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	90.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	92.9	50.0	150	----
QC-1754619-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	94.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754619-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	92.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	73.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	101	50.0	150	----
QC-1754619-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	74.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	97.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	106	50.0	150	----
QC-1754619-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	92.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	88.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	78.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	83.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	84.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	66.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	76.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	104	50.0	150	----
QC-1754619-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	94.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	81.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	88.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	100	50.0	150	----
QC-1754619-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	110	50.0	150	----
QC-1754619-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	98.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	93.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	92.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	86.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	85.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	90.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	95.4	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754619) - continued									
QC-1754619-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	77.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	91.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	74.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	86.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	90.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754619-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	100.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	97.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754619-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	111	50.0	150	----
QC-1754619-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	91.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	96.8	50.0	150	----
QC-1754619-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	99.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	90.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	90.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	91.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	89.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	92.2	50.0	150	----
QC-1754619-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	105	50.0	150	----
QC-1754619-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	97.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754619-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	94.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	89.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	98.4	50.0	150	----
QC-1754619-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	92.1	50.0	150	----
QC-1754619-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	86.0	50.0	150	----
QC-1754619-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	90.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	87.5	50.0	150	----
QC-1754619-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	80.7	50.0	150	----
QC-1754619-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	78.3	50.0	150	----
QC-1754619-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	72.6	50.0	150	----
QC-1754619-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	71.7	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754767)									
QC-1754767-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	125	50.0	150	----
QC-1754767-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	108	50.0	150	----
QC-1754767-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754767-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	116	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
QC-1754767-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	111	50.0	150	----
QC-1754767-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754767-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	122	50.0	150	----
QC-1754767-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	126	50.0	150	----
QC-1754767-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	110	50.0	150	----
QC-1754767-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754767-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	96.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	99.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754767-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	113	50.0	150	----
QC-1754767-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	105	50.0	150	----
QC-1754767-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	112	50.0	150	----
QC-1754767-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	96.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	90.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	98.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	108	50.0	150	----
QC-1754767-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	120	50.0	150	----
QC-1754767-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	115	50.0	150	----
QC-1754767-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	114	50.0	150	----
QC-1754767-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	113	50.0	150	----
QC-1754767-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	99.0	50.0	150	----
QC-1754767-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	116	50.0	150	----
QC-1754767-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	111	50.0	150	----
QC-1754767-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	92.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754767-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	91.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	79.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	81.0	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
QC-1754767-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	124	50.0	150	----
QC-1754767-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	100	50.0	150	----
QC-1754767-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	97.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	86.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	90.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	98.7	50.0	150	----
QC-1754767-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	70.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	70.0	50.0	150	----
QC-1754767-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	103	50.0	150	----
QC-1754767-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754767-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	92.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	94.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	99.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	99.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	93.7	50.0	150	----
QC-1754767-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	92.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	91.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	82.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	97.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	80.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	87.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754767-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	95.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	89.6	50.0	150	----
QC-1754767-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	105	50.0	150	----
QC-1754767-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754767-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	88.3	50.0	150	----
QC-1754767-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	92.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	96.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	85.7	50.0	150	----
QC-1754767-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	78.9	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754767) - continued									
QC-1754767-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	91.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	89.2	50.0	150	----
QC-1754767-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	93.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754767-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	92.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	101	50.0	150	----
QC-1754767-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	91.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	83.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	93.9	50.0	150	----
QC-1754767-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	92.5	50.0	150	----
QC-1754767-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	86.8	50.0	150	----
QC-1754767-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	89.9	50.0	150	----
QC-1754767-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	85.4	50.0	150	----
QC-1754767-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	77.9	50.0	150	----
QC-1754767-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	76.1	50.0	150	----
QC-1754767-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	72.6	50.0	150	----
QC-1754767-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	69.4	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754769)									
QC-1754769-002	LCS-LL	PCB 001	2051-60-7	E689A	0.05 ng/g wwt	144	50.0	150	----
QC-1754769-002	LCS-LL	PCB 003	2051-62-9	E689A	0.05 ng/g wwt	130	50.0	150	----
QC-1754769-002	LCS-LL	PCB 004+010	n/a	E689A	0.1 ng/g wwt	143	50.0	150	----
QC-1754769-002	LCS-LL	PCB 005+008	n/a	E689A	0.1 ng/g wwt	129	50.0	150	----
QC-1754769-002	LCS-LL	PCB 006	25569-80-6	E689A	0.05 ng/g wwt	131	50.0	150	----
QC-1754769-002	LCS-LL	PCB 007+009	n/a	E689A	0.1 ng/g wwt	121	50.0	150	----
QC-1754769-002	LCS-LL	PCB 011	2050-67-1	E689A	0.05 ng/g wwt	# 177	50.0	150	LCS-H
QC-1754769-002	LCS-LL	PCB 012+013	n/a	E689A	0.1 ng/g wwt	141	50.0	150	----
QC-1754769-002	LCS-LL	PCB 015	2050-68-2	E689A	0.05 ng/g wwt	102	50.0	150	----
QC-1754769-002	LCS-LL	PCB 016+032	n/a	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 017	37680-66-3	E689A	0.05 ng/g wwt	95.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 018	37680-65-2	E689A	0.05 ng/g wwt	90.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 019	38444-73-4	E689A	0.05 ng/g wwt	123	50.0	150	----
QC-1754769-002	LCS-LL	PCB 020+021+033	n/a	E689A	0.15 ng/g wwt	115	50.0	150	----
QC-1754769-002	LCS-LL	PCB 022	38444-85-8	E689A	0.05 ng/g wwt	121	50.0	150	----
QC-1754769-002	LCS-LL	PCB 024+027	n/a	E689A	0.1 ng/g wwt	94.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 025	55712-37-3	E689A	0.05 ng/g wwt	114	50.0	150	----
QC-1754769-002	LCS-LL	PCB 026	38444-81-4	E689A	0.05 ng/g wwt	131	50.0	150	----
QC-1754769-002	LCS-LL	PCB 028+031	n/a	E689A	0.1 ng/g wwt	129	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
QC-1754769-002	LCS-LL	PCB 037	38444-90-5	E689A	0.05 ng/g wwt	85.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 040	38444-93-8	E689A	0.1 ng/g wwt	96.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 041+064+068+071	n/a	E689A	0.4 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 042+059	n/a	E689A	0.2 ng/g wwt	94.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 043+049	n/a	E689A	0.2 ng/g wwt	97.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 044	41464-39-5	E689A	0.1 ng/g wwt	93.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 045	70362-45-7	E689A	0.1 ng/g wwt	91.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 046	41464-47-5	E689A	0.1 ng/g wwt	90.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 047+048+075	n/a	E689A	0.3 ng/g wwt	115	50.0	150	----
QC-1754769-002	LCS-LL	PCB 052+073	n/a	E689A	0.2 ng/g wwt	121	50.0	150	----
QC-1754769-002	LCS-LL	PCB 053	41464-41-9	E689A	0.1 ng/g wwt	145	50.0	150	----
QC-1754769-002	LCS-LL	PCB 056+060	n/a	E689A	0.2 ng/g wwt	122	50.0	150	----
QC-1754769-002	LCS-LL	PCB 057	70424-67-8	E689A	0.1 ng/g wwt	118	50.0	150	----
QC-1754769-002	LCS-LL	PCB 061+074	n/a	E689A	0.2 ng/g wwt	105	50.0	150	----
QC-1754769-002	LCS-LL	PCB 063	74472-34-7	E689A	0.1 ng/g wwt	144	50.0	150	----
QC-1754769-002	LCS-LL	PCB 066+080	n/a	E689A	0.2 ng/g wwt	119	50.0	150	----
QC-1754769-002	LCS-LL	PCB 070+076	n/a	E689A	0.2 ng/g wwt	97.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 077	32598-13-3	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754769-002	LCS-LL	PCB 081	70362-50-4	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 082	52663-62-4	E689A	0.1 ng/g wwt	97.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 083+108	n/a	E689A	0.2 ng/g wwt	106	50.0	150	----
QC-1754769-002	LCS-LL	PCB 084+089+090+101	n/a	E689A	0.4 ng/g wwt	83.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 085+120	n/a	E689A	0.2 ng/g wwt	129	50.0	150	----
QC-1754769-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689A	0.7 ng/g wwt	113	50.0	150	----
QC-1754769-002	LCS-LL	PCB 091	68194-05-8	E689A	0.1 ng/g wwt	92.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 092	52663-61-3	E689A	0.1 ng/g wwt	115	50.0	150	----
QC-1754769-002	LCS-LL	PCB 093+095	n/a	E689A	0.2 ng/g wwt	72.4	50.0	150	----
QC-1754769-002	LCS-LL	PCB 097	41464-51-1	E689A	0.1 ng/g wwt	90.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 099	38380-01-7	E689A	0.1 ng/g wwt	100	50.0	150	----
QC-1754769-002	LCS-LL	PCB 105+127	n/a	E689A	0.2 ng/g wwt	90.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 106+118	n/a	E689A	0.2 ng/g wwt	84.1	50.0	150	----
QC-1754769-002	LCS-LL	PCB 107+109	n/a	E689A	0.2 ng/g wwt	113	50.0	150	----
QC-1754769-002	LCS-LL	PCB 110	38380-03-9	E689A	0.1 ng/g wwt	102	50.0	150	----
QC-1754769-002	LCS-LL	PCB 114	74472-37-0	E689A	0.1 ng/g wwt	104	50.0	150	----
QC-1754769-002	LCS-LL	PCB 123	65510-44-3	E689A	0.1 ng/g wwt	112	50.0	150	----
QC-1754769-002	LCS-LL	PCB 126	57465-28-8	E689A	0.1 ng/g wwt	117	50.0	150	----
QC-1754769-002	LCS-LL	PCB 128+167	n/a	E689A	0.2 ng/g wwt	122	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
QC-1754769-002	LCS-LL	PCB 129	55215-18-4	E689A	0.1 ng/g wwt	103	50.0	150	----
QC-1754769-002	LCS-LL	PCB 131+142+146+165	n/a	E689A	0.4 ng/g wwt	108	50.0	150	----
QC-1754769-002	LCS-LL	PCB 132+168	n/a	E689A	0.2 ng/g wwt	103	50.0	150	----
QC-1754769-002	LCS-LL	PCB 135+144	n/a	E689A	0.2 ng/g wwt	95.4	50.0	150	----
QC-1754769-002	LCS-LL	PCB 136	38411-22-2	E689A	0.1 ng/g wwt	111	50.0	150	----
QC-1754769-002	LCS-LL	PCB 137	35694-06-5	E689A	0.1 ng/g wwt	93.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 138+163+164	n/a	E689A	0.3 ng/g wwt	106	50.0	150	----
QC-1754769-002	LCS-LL	PCB 139+149	n/a	E689A	0.2 ng/g wwt	78.4	50.0	150	----
QC-1754769-002	LCS-LL	PCB 141	52712-04-6	E689A	0.1 ng/g wwt	98.7	50.0	150	----
QC-1754769-002	LCS-LL	PCB 151	52663-63-5	E689A	0.1 ng/g wwt	91.9	50.0	150	----
QC-1754769-002	LCS-LL	PCB 153	35065-27-1	E689A	0.1 ng/g wwt	113	50.0	150	----
QC-1754769-002	LCS-LL	PCB 156	38380-08-4	E689A	0.1 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 157	69782-90-7	E689A	0.1 ng/g wwt	132	50.0	150	----
QC-1754769-002	LCS-LL	PCB 158+160	n/a	E689A	0.2 ng/g wwt	90.9	50.0	150	----
QC-1754769-002	LCS-LL	PCB 159	39635-35-3	E689A	0.1 ng/g wwt	112	50.0	150	----
QC-1754769-002	LCS-LL	PCB 169	32774-16-6	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 170+190	n/a	E689A	0.2 ng/g wwt	125	50.0	150	----
QC-1754769-002	LCS-LL	PCB 171	52663-71-5	E689A	0.1 ng/g wwt	97.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 172+192	n/a	E689A	0.2 ng/g wwt	108	50.0	150	----
QC-1754769-002	LCS-LL	PCB 174+181	n/a	E689A	0.2 ng/g wwt	93.5	50.0	150	----
QC-1754769-002	LCS-LL	PCB 177	52663-70-4	E689A	0.1 ng/g wwt	95.6	50.0	150	----
QC-1754769-002	LCS-LL	PCB 180	35065-29-3	E689A	0.1 ng/g wwt	87.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 182+187	n/a	E689A	0.2 ng/g wwt	95.3	50.0	150	----
QC-1754769-002	LCS-LL	PCB 183	52663-69-1	E689A	0.1 ng/g wwt	109	50.0	150	----
QC-1754769-002	LCS-LL	PCB 185	52712-05-7	E689A	0.1 ng/g wwt	91.0	50.0	150	----
QC-1754769-002	LCS-LL	PCB 189	39635-31-9	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 191	74472-50-7	E689A	0.1 ng/g wwt	119	50.0	150	----
QC-1754769-002	LCS-LL	PCB 193	69782-91-8	E689A	0.1 ng/g wwt	110	50.0	150	----
QC-1754769-002	LCS-LL	PCB 194	35694-08-7	E689A	0.15 ng/g wwt	116	50.0	150	----
QC-1754769-002	LCS-LL	PCB 195	52663-78-2	E689A	0.15 ng/g wwt	95.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 196+203	n/a	E689A	0.3 ng/g wwt	109	50.0	150	----
QC-1754769-002	LCS-LL	PCB 199	52663-75-9	E689A	0.15 ng/g wwt	96.9	50.0	150	----
QC-1754769-002	LCS-LL	PCB 201+204	n/a	E689A	0.3 ng/g wwt	107	50.0	150	----
QC-1754769-002	LCS-LL	PCB 202	2136-99-4	E689A	0.15 ng/g wwt	97.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 205	74472-53-0	E689A	0.15 ng/g wwt	89.2	50.0	150	----
QC-1754769-002	LCS-LL	PCB 206	40186-72-9	E689A	0.15 ng/g wwt	85.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 207	52663-79-3	E689A	0.15 ng/g wwt	94.5	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754769) - continued									
QC-1754769-002	LCS-LL	PCB 208	52663-77-1	E689A	0.15 ng/g wwt	77.8	50.0	150	----
QC-1754769-002	LCS-LL	PCB 209	2051-24-3	E689A	0.15 ng/g wwt	74.5	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754775)									
QC-1754775-002	LCS-LL	PCB 001	2051-60-7	E689	0.05 ng/g	112	50.0	150	----
QC-1754775-002	LCS-LL	PCB 003	2051-62-9	E689	0.05 ng/g	85.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 004+010	n/a	E689	0.1 ng/g	86.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 005+008	n/a	E689	0.1 ng/g	83.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 006	25569-80-6	E689	0.05 ng/g	87.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 007+009	n/a	E689	0.1 ng/g	85.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 011	2050-67-1	E689	0.05 ng/g	126	50.0	150	----
QC-1754775-002	LCS-LL	PCB 012+013	n/a	E689	0.1 ng/g	105	50.0	150	----
QC-1754775-002	LCS-LL	PCB 015	2050-68-2	E689	0.05 ng/g	92.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 016+032	n/a	E689	0.1 ng/g	84.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 017	37680-66-3	E689	0.05 ng/g	105	50.0	150	----
QC-1754775-002	LCS-LL	PCB 018	37680-65-2	E689	0.05 ng/g	94.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 019	38444-73-4	E689	0.05 ng/g	89.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 020+021+033	n/a	E689	0.15 ng/g	112	50.0	150	----
QC-1754775-002	LCS-LL	PCB 022	38444-85-8	E689	0.05 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 024+027	n/a	E689	0.1 ng/g	87.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 025	55712-37-3	E689	0.05 ng/g	109	50.0	150	----
QC-1754775-002	LCS-LL	PCB 026	38444-81-4	E689	0.05 ng/g	93.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 028+031	n/a	E689	0.1 ng/g	113	50.0	150	----
QC-1754775-002	LCS-LL	PCB 037	38444-90-5	E689	0.05 ng/g	97.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 040	38444-93-8	E689	0.1 ng/g	98.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 041+064+068+071	n/a	E689	0.4 ng/g	96.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 042+059	n/a	E689	0.2 ng/g	101	50.0	150	----
QC-1754775-002	LCS-LL	PCB 043+049	n/a	E689	0.2 ng/g	108	50.0	150	----
QC-1754775-002	LCS-LL	PCB 044	41464-39-5	E689	0.1 ng/g	97.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 045	70362-45-7	E689	0.1 ng/g	74.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 046	41464-47-5	E689	0.1 ng/g	89.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 047+048+075	n/a	E689	0.3 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 052+073	n/a	E689	0.2 ng/g	117	50.0	150	----
QC-1754775-002	LCS-LL	PCB 053	41464-41-9	E689	0.1 ng/g	99.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 056+060	n/a	E689	0.2 ng/g	99.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 057	70424-67-8	E689	0.1 ng/g	92.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 061+074	n/a	E689	0.2 ng/g	124	50.0	150	----
QC-1754775-002	LCS-LL	PCB 063	74472-34-7	E689	0.1 ng/g	97.6	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
QC-1754775-002	LCS-LL	PCB 066+080	n/a	E689	0.2 ng/g	112	50.0	150	----
QC-1754775-002	LCS-LL	PCB 070+076	n/a	E689	0.2 ng/g	104	50.0	150	----
QC-1754775-002	LCS-LL	PCB 077	32598-13-3	E689	0.1 ng/g	101	50.0	150	----
QC-1754775-002	LCS-LL	PCB 081	70362-50-4	E689	0.1 ng/g	78.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 082	52663-62-4	E689	0.1 ng/g	74.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 083+108	n/a	E689	0.2 ng/g	102	50.0	150	----
QC-1754775-002	LCS-LL	PCB 084+089+090+101	n/a	E689	0.4 ng/g	91.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 085+120	n/a	E689	0.2 ng/g	95.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689	0.7 ng/g	126	50.0	150	----
QC-1754775-002	LCS-LL	PCB 091	68194-05-8	E689	0.1 ng/g	110	50.0	150	----
QC-1754775-002	LCS-LL	PCB 092	52663-61-3	E689	0.1 ng/g	93.3	50.0	150	----
QC-1754775-002	LCS-LL	PCB 093+095	n/a	E689	0.2 ng/g	82.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 097	41464-51-1	E689	0.1 ng/g	96.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 099	38380-01-7	E689	0.1 ng/g	124	50.0	150	----
QC-1754775-002	LCS-LL	PCB 105+127	n/a	E689	0.2 ng/g	62.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 106+118	n/a	E689	0.2 ng/g	80.3	50.0	150	----
QC-1754775-002	LCS-LL	PCB 107+109	n/a	E689	0.2 ng/g	93.7	50.0	150	----
QC-1754775-002	LCS-LL	PCB 110	38380-03-9	E689	0.1 ng/g	110	50.0	150	----
QC-1754775-002	LCS-LL	PCB 114	74472-37-0	E689	0.1 ng/g	83.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 123	65510-44-3	E689	0.1 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 126	57465-28-8	E689	0.1 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 128+167	n/a	E689	0.2 ng/g	109	50.0	150	----
QC-1754775-002	LCS-LL	PCB 129	55215-18-4	E689	0.1 ng/g	71.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 131+142+146+165	n/a	E689	0.4 ng/g	95.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 132+168	n/a	E689	0.2 ng/g	119	50.0	150	----
QC-1754775-002	LCS-LL	PCB 135+144	n/a	E689	0.2 ng/g	102	50.0	150	----
QC-1754775-002	LCS-LL	PCB 136	38411-22-2	E689	0.1 ng/g	105	50.0	150	----
QC-1754775-002	LCS-LL	PCB 137	35694-06-5	E689	0.1 ng/g	82.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 138+163+164	n/a	E689	0.3 ng/g	101	50.0	150	----
QC-1754775-002	LCS-LL	PCB 139+149	n/a	E689	0.2 ng/g	99.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 141	52712-04-6	E689	0.1 ng/g	106	50.0	150	----
QC-1754775-002	LCS-LL	PCB 151	52663-63-5	E689	0.1 ng/g	92.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 153	35065-27-1	E689	0.1 ng/g	102	50.0	150	----
QC-1754775-002	LCS-LL	PCB 156	38380-08-4	E689	0.1 ng/g	78.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 157	69782-90-7	E689	0.1 ng/g	84.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 158+160	n/a	E689	0.2 ng/g	94.5	50.0	150	----
QC-1754775-002	LCS-LL	PCB 159	39635-35-3	E689	0.1 ng/g	79.8	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754775) - continued									
QC-1754775-002	LCS-LL	PCB 169	32774-16-6	E689	0.1 ng/g	90.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 170+190	n/a	E689	0.2 ng/g	63.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 171	52663-71-5	E689	0.1 ng/g	70.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 172+192	n/a	E689	0.2 ng/g	61.8	50.0	150	----
QC-1754775-002	LCS-LL	PCB 174+181	n/a	E689	0.2 ng/g	75.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 177	52663-70-4	E689	0.1 ng/g	78.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 180	35065-29-3	E689	0.1 ng/g	58.0	50.0	150	----
QC-1754775-002	LCS-LL	PCB 182+187	n/a	E689	0.2 ng/g	97.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 183	52663-69-1	E689	0.1 ng/g	87.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 185	52712-05-7	E689	0.1 ng/g	76.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 189	39635-31-9	E689	0.1 ng/g	93.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 191	74472-50-7	E689	0.1 ng/g	82.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 193	69782-91-8	E689	0.1 ng/g	72.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 194	35694-08-7	E689	0.15 ng/g	58.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 195	52663-78-2	E689	0.15 ng/g	68.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 196+203	n/a	E689	0.3 ng/g	76.6	50.0	150	----
QC-1754775-002	LCS-LL	PCB 199	52663-75-9	E689	0.15 ng/g	98.9	50.0	150	----
QC-1754775-002	LCS-LL	PCB 201+204	n/a	E689	0.3 ng/g	86.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 202	2136-99-4	E689	0.15 ng/g	90.3	50.0	150	----
QC-1754775-002	LCS-LL	PCB 205	74472-53-0	E689	0.15 ng/g	92.1	50.0	150	----
QC-1754775-002	LCS-LL	PCB 206	40186-72-9	E689	0.15 ng/g	86.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 207	52663-79-3	E689	0.15 ng/g	82.4	50.0	150	----
QC-1754775-002	LCS-LL	PCB 208	52663-77-1	E689	0.15 ng/g	82.2	50.0	150	----
QC-1754775-002	LCS-LL	PCB 209	2051-24-3	E689	0.15 ng/g	87.0	50.0	150	----
Polychlorinated Biphenyls (QCLot: 1754776)									
QC-1754776-002	LCS-LL	PCB 001	2051-60-7	E689	0.05 ng/g	124	50.0	150	----
QC-1754776-002	LCS-LL	PCB 003	2051-62-9	E689	0.05 ng/g	109	50.0	150	----
QC-1754776-002	LCS-LL	PCB 004+010	n/a	E689	0.1 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 005+008	n/a	E689	0.1 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 006	25569-80-6	E689	0.05 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 007+009	n/a	E689	0.1 ng/g	112	50.0	150	----
QC-1754776-002	LCS-LL	PCB 011	2050-67-1	E689	0.05 ng/g	132	50.0	150	----
QC-1754776-002	LCS-LL	PCB 012+013	n/a	E689	0.1 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 015	2050-68-2	E689	0.05 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 016+032	n/a	E689	0.1 ng/g	110	50.0	150	----
QC-1754776-002	LCS-LL	PCB 017	37680-66-3	E689	0.05 ng/g	100	50.0	150	----
QC-1754776-002	LCS-LL	PCB 018	37680-65-2	E689	0.05 ng/g	103	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
QC-1754776-002	LCS-LL	PCB 019	38444-73-4	E689	0.05 ng/g	110	50.0	150	----
QC-1754776-002	LCS-LL	PCB 020+021+033	n/a	E689	0.15 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 022	38444-85-8	E689	0.05 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 024+027	n/a	E689	0.1 ng/g	106	50.0	150	----
QC-1754776-002	LCS-LL	PCB 025	55712-37-3	E689	0.05 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 026	38444-81-4	E689	0.05 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 028+031	n/a	E689	0.1 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 037	38444-90-5	E689	0.05 ng/g	91.2	50.0	150	----
QC-1754776-002	LCS-LL	PCB 040	38444-93-8	E689	0.1 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 041+064+068+071	n/a	E689	0.4 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 042+059	n/a	E689	0.2 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 043+049	n/a	E689	0.2 ng/g	86.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 044	41464-39-5	E689	0.1 ng/g	94.1	50.0	150	----
QC-1754776-002	LCS-LL	PCB 045	70362-45-7	E689	0.1 ng/g	97.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 046	41464-47-5	E689	0.1 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 047+048+075	n/a	E689	0.3 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 052+073	n/a	E689	0.2 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 053	41464-41-9	E689	0.1 ng/g	112	50.0	150	----
QC-1754776-002	LCS-LL	PCB 056+060	n/a	E689	0.2 ng/g	112	50.0	150	----
QC-1754776-002	LCS-LL	PCB 057	70424-67-8	E689	0.1 ng/g	124	50.0	150	----
QC-1754776-002	LCS-LL	PCB 061+074	n/a	E689	0.2 ng/g	96.8	50.0	150	----
QC-1754776-002	LCS-LL	PCB 063	74472-34-7	E689	0.1 ng/g	110	50.0	150	----
QC-1754776-002	LCS-LL	PCB 066+080	n/a	E689	0.2 ng/g	98.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 070+076	n/a	E689	0.2 ng/g	106	50.0	150	----
QC-1754776-002	LCS-LL	PCB 077	32598-13-3	E689	0.1 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 081	70362-50-4	E689	0.1 ng/g	93.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 082	52663-62-4	E689	0.1 ng/g	80.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 083+108	n/a	E689	0.2 ng/g	105	50.0	150	----
QC-1754776-002	LCS-LL	PCB 084+089+090+101	n/a	E689	0.4 ng/g	79.5	50.0	150	----
QC-1754776-002	LCS-LL	PCB 085+120	n/a	E689	0.2 ng/g	105	50.0	150	----
QC-1754776-002	LCS-LL	PCB 086+087+111+115+116+117+125	n/a	E689	0.7 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 091	68194-05-8	E689	0.1 ng/g	97.8	50.0	150	----
QC-1754776-002	LCS-LL	PCB 092	52663-61-3	E689	0.1 ng/g	94.3	50.0	150	----
QC-1754776-002	LCS-LL	PCB 093+095	n/a	E689	0.2 ng/g	83.3	50.0	150	----
QC-1754776-002	LCS-LL	PCB 097	41464-51-1	E689	0.1 ng/g	93.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 099	38380-01-7	E689	0.1 ng/g	98.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 105+127	n/a	E689	0.2 ng/g	75.1	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
QC-1754776-002	LCS-LL	PCB 106+118	n/a	E689	0.2 ng/g	78.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 107+109	n/a	E689	0.2 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 110	38380-03-9	E689	0.1 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 114	74472-37-0	E689	0.1 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 123	65510-44-3	E689	0.1 ng/g	111	50.0	150	----
QC-1754776-002	LCS-LL	PCB 126	57465-28-8	E689	0.1 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 128+167	n/a	E689	0.2 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 129	55215-18-4	E689	0.1 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 131+142+146+165	n/a	E689	0.4 ng/g	104	50.0	150	----
QC-1754776-002	LCS-LL	PCB 132+168	n/a	E689	0.2 ng/g	106	50.0	150	----
QC-1754776-002	LCS-LL	PCB 135+144	n/a	E689	0.2 ng/g	100	50.0	150	----
QC-1754776-002	LCS-LL	PCB 136	38411-22-2	E689	0.1 ng/g	96.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 137	35694-06-5	E689	0.1 ng/g	97.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 138+163+164	n/a	E689	0.3 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 139+149	n/a	E689	0.2 ng/g	89.6	50.0	150	----
QC-1754776-002	LCS-LL	PCB 141	52712-04-6	E689	0.1 ng/g	103	50.0	150	----
QC-1754776-002	LCS-LL	PCB 151	52663-63-5	E689	0.1 ng/g	87.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 153	35065-27-1	E689	0.1 ng/g	94.1	50.0	150	----
QC-1754776-002	LCS-LL	PCB 156	38380-08-4	E689	0.1 ng/g	94.4	50.0	150	----
QC-1754776-002	LCS-LL	PCB 157	69782-90-7	E689	0.1 ng/g	118	50.0	150	----
QC-1754776-002	LCS-LL	PCB 158+160	n/a	E689	0.2 ng/g	102	50.0	150	----
QC-1754776-002	LCS-LL	PCB 159	39635-35-3	E689	0.1 ng/g	94.9	50.0	150	----
QC-1754776-002	LCS-LL	PCB 169	32774-16-6	E689	0.1 ng/g	107	50.0	150	----
QC-1754776-002	LCS-LL	PCB 170+190	n/a	E689	0.2 ng/g	115	50.0	150	----
QC-1754776-002	LCS-LL	PCB 171	52663-71-5	E689	0.1 ng/g	98.1	50.0	150	----
QC-1754776-002	LCS-LL	PCB 172+192	n/a	E689	0.2 ng/g	99.7	50.0	150	----
QC-1754776-002	LCS-LL	PCB 174+181	n/a	E689	0.2 ng/g	105	50.0	150	----
QC-1754776-002	LCS-LL	PCB 177	52663-70-4	E689	0.1 ng/g	90.6	50.0	150	----
QC-1754776-002	LCS-LL	PCB 180	35065-29-3	E689	0.1 ng/g	86.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 182+187	n/a	E689	0.2 ng/g	98.5	50.0	150	----
QC-1754776-002	LCS-LL	PCB 183	52663-69-1	E689	0.1 ng/g	94.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 185	52712-05-7	E689	0.1 ng/g	96.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 189	39635-31-9	E689	0.1 ng/g	111	50.0	150	----
QC-1754776-002	LCS-LL	PCB 191	74472-50-7	E689	0.1 ng/g	98.4	50.0	150	----
QC-1754776-002	LCS-LL	PCB 193	69782-91-8	E689	0.1 ng/g	114	50.0	150	----
QC-1754776-002	LCS-LL	PCB 194	35694-08-7	E689	0.15 ng/g	96.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 195	52663-78-2	E689	0.15 ng/g	88.9	50.0	150	----

Sub-Matrix:

					Reference Material (RM) Report				
					RM Target	Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method	Concentration	RM	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1754776) - continued									
QC-1754776-002	LCS-LL	PCB 196+203	n/a	E689	0.3 ng/g	101	50.0	150	----
QC-1754776-002	LCS-LL	PCB 199	52663-75-9	E689	0.15 ng/g	100	50.0	150	----
QC-1754776-002	LCS-LL	PCB 201+204	n/a	E689	0.3 ng/g	85.2	50.0	150	----
QC-1754776-002	LCS-LL	PCB 202	2136-99-4	E689	0.15 ng/g	93.4	50.0	150	----
QC-1754776-002	LCS-LL	PCB 205	74472-53-0	E689	0.15 ng/g	87.8	50.0	150	----
QC-1754776-002	LCS-LL	PCB 206	40186-72-9	E689	0.15 ng/g	85.3	50.0	150	----
QC-1754776-002	LCS-LL	PCB 207	52663-79-3	E689	0.15 ng/g	76.0	50.0	150	----
QC-1754776-002	LCS-LL	PCB 208	52663-77-1	E689	0.15 ng/g	76.2	50.0	150	----
QC-1754776-002	LCS-LL	PCB 209	2051-24-3	E689	0.15 ng/g	74.9	50.0	150	----

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QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: **BU2400982**	Page	: 1 of 26
Client	: **Matrix Solutions Inc.**	Laboratory	: ALS Environmental - Burlington
Contact	: Lindsay Oiffer	Account Manager	: Kieran Tordoff
Address	: 200, 5083 Windermere Blvd SW Edmonton AB Canada T8W 0J5	Address	: 1435 Norjohn Court, Unit 1 Burlington, Ontario Canada L7L 0E6
Telephone	: 780 989 8347	Telephone	: +1 905 331 3111
Project	: 15867-503 Soil & Vegetation Monitoring Program	Date Samples Received	: 31-May-2024 13:48
PO	: ----	Issue Date	: 08-Nov-2024 16:02
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: EO24-MSOI100-004 (Swan Hills Treatment Centre)		
No. of samples received	: 81		
No. of samples analysed	: 81		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.
CAS Number: Chemical Abstracts Service number is a unique identifier assigned to discrete substances.
DQO: Data Quality Objective.
LOR: Limit of Reporting (detection limit).
RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- Duplicate outliers occur - please see following pages for full details.
- Laboratory Control Sample (LCS) outliers occur - please see following pages for full details.
- Test sample Surrogate recovery outliers exist for all regular sample matrices - please see following pages for full details.

Outliers: Reference Material (RM) Samples

- Reference Material (RM) Sample outliers occur - please see the following pages for full details.

Outliers : Analysis Holding Time Compliance (Breaches)

- Analysis Holding Time Outliers exist - please see following pages for full details.

Outliers : Frequency of Quality Control Samples

- No Quality Control Sample Frequency Outliers occur.

Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Biota**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Duplicate (DUP) RPDs								
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 001	2051-60-7	E689	166 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 020+021+033	n/a	E689	0.138 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 022	38444-85-8	E689	0.142 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-050	L2756004-72 15867240527202	PCB 026	38444-81-4	E689	177 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-066	L2756004-88 15867240529218	PCB 070+076	n/a	E689	158 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 011	2050-67-1	E689A	0.127 % B,DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 052+073	n/a	E689A	0.0232 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 066+080	n/a	E689A	50.8 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 077	32598-13-3	E689A	51.9 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 084+089+090+101	n/a	E689A	0.103 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 085+120	n/a	E689A	54.6 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 086+087+111+115+116+117+125	n/a	E689A	50.4 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 092	52663-61-3	E689A	56.2 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 106+118	n/a	E689A	0.131 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 110	38380-03-9	E689A	0.0965 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).

Matrix: **Biota**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Duplicate (DUP) RPDs - Continued								
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 138+163+164	n/a	E689A	153 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 139+149	n/a	E689A	0.129 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 153	35065-27-1	E689A	0.233 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 170+190	n/a	E689A	0.108 % DUP-H, U	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 180	35065-29-3	E689A	0.211 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-001	L2756004-3 15867240527003	PCB 182+187	n/a	E689A	0.0919 % DUP-H	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 191	74472-50-7	E689A	192 % DUP-H, U	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 194	35694-08-7	E689A	53.9 % DUP-H	50%	Duplicate RPD does not meet the DQO for this test.
Polychlorinated Biphenyls	BU2400982-007	L2756004-9 15867240527006	PCB 205	74472-53-0	E689A	167 % DUP-H, U	50%	Duplicate RPD does not meet the DQO for this test.

Result Qualifiers

Qualifier	*Description*
B	*Method Blank exceeds ALS DQO. Associated sample results which are < Limit of Reporting or > 5 times blank level are considered reliable.*
DUP-H	*Duplicate results outside ALS DQO, due to sample heterogeneity.*
U	*Not Detected.*

Laboratory Control Sample (LCS) Recoveries								
Polychlorinated Biphenyls	QC-1754775-003	----	PCB 086+087+111+115+116+117+125	n/a	E689	156 % LCS-H	50.0-150%	Recovery greater than upper control limit

Result Qualifiers

Qualifier	*Description*
LCS-H	*Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.*

Matrix: **Biota**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Reference Material (RM) Sample								
Polychlorinated Biphenyls	QC-1754769-002	----	PCB 011	2050-67-1	E689A	177 % LCS-H	50.0-150%	Recovery greater than upper control limit

Result Qualifiers

Qualifier	Description
LCS-H	*Lab Control Sample recovery was above ALS DQO. Non-detected sample results are considered reliable. Other results, if reported, have been qualified.*

Regular Sample Surrogates

Sub-Matrix: **Vegetation**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Result	Limits	Comment
Samples Submitted							
Polychlorinated Biphenyls Surrogates	BU2400982-023	L2756004-27 15867240528015	PCB 003, 13C12	208263-77-8	4.9 %	5.00-145 %	Recovery less than lower data quality objective
Polychlorinated Biphenyls Surrogates	BU2400982-027	L2756004-33 15867240528018	PCB 105, 13C12	208263-62-1	194 %	5.00-145 %	Recovery greater than upper data quality objective
Polychlorinated Biphenyls Surrogates	BU2400982-037	L2756004-43 15867240529023	PCB 105, 13C12	208263-62-1	2.0 %	5.00-145 %	Recovery less than lower data quality objective

Analysis Holding Time Compliance

This report summarizes extraction / preparation and analysis times and compares each with ALS recommended holding times, which are selected to meet known provincial and /or federal requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by organizations such as CCME, US EPA, APHA Standard Methods, ASTM, or Environment Canada (where available). Dates and holding times reported below represent the first dates of extraction or analysis. If subsequent tests or dilutions exceeded holding times, qualifiers are added (refer to COA).

If samples are identified below as having been analyzed or extracted outside of recommended holding times, measurement uncertainties may be increased, and this should be taken into consideration when interpreting results.

Where actual sampling date is not provided on the chain of custody, the date of receipt with time at 00:00 is used for calculation purposes.

Where only the sample date without time is provided on the chain of custody, the sampling date at 00:00 is used for calculation purposes.

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-13 - 15867240528008	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-15 - 15867240528009	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-17 - 15867240528010	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-19 - 15867240528011	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-21 - 15867240528012	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-23 - 15867240528013	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-25 - 15867240528014	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-27 - 15867240528015	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-29 - 15867240528016	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-3 - 15867240527003	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-33 - 15867240528018	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-35 - 15867240528019	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-37 - 15867240528020	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-39 - 15867240528021	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-41 - 15867240529022	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-43 - 15867240529023	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-47 - 15867240529025	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-5 - 15867240527004	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-55 - 15867240529030	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-7 - 15867240527005	E144	26-May-2024	----	----	----		07-Nov-2024	----	164 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-100 - 15867240530230	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-101 - 15867240530231	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-10 - 15867240527106	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-102 - 15867240530233	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-103 - 15867240530235	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-14 - 15867240528108	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-16 - 15867240528109	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-18 - 15867240528110	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-20 - 15867240528111	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-22 - 15867240528112	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-24 - 15867240528113	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-26 - 15867240528114	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-28 - 15867240528115	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-30 - 15867240528116	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-34 - 15867240528118	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-36 - 15867240528119	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-38 - 15867240528120	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-40 - 15867240528121	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-4 - 15867240527103	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-42 - 15867240529122	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-44 - 15867240529123	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-48 - 15867240529125	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-56 - 15867240529130	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-57 - 15867240529031	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-58 - 15867240529131	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-59 - 15867240529032	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-60 - 15867240529132	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-61 - 15867240530033	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-6 - 15867240527104	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-62 - 15867240530133	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-71 - 15867240527201	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-72 - 15867240527202	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-73 - 15867240527203	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-74 - 15867240528204	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-75 - 15867240528205	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-76 - 15867240528206	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-77 - 15867240528207	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-78 - 15867240528208	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-79 - 15867240528209	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-80 - 15867240529210	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-81 - 15867240529211	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-8 - 15867240527105	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-82 - 15867240529212	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-83 - 15867240529213	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-84 - 15867240529214	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-85 - 15867240529215	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-86 - 15867240529216	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-87 - 15867240529217	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-88 - 15867240529218	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-89 - 15867240529219	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-90 - 15867240529220	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-91 - 15867240529221	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-9 - 15867240527006	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-92 - 15867240530222	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-93 - 15867240530223	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-94 - 15867240530224	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-95 - 15867240530225	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-96 - 15867240530226	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag L2756004-97 - 15867240530227	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-98 - 15867240530228	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Physical Tests : Moisture Content by Gravimetry										
LDPE bag										
L2756004-99 - 15867240530229	E144	26-May-2024	----	----	----		07-Nov-2024	----	165 days	
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-101 - 15867240530231	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-10 - 15867240527106	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-13 - 15867240528008	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-14 - 15867240528108	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-15 - 15867240528009	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-16 - 15867240528109	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-17 - 15867240528010	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-18 - 15867240528110	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-19 - 15867240528011	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-20 - 15867240528111	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-21 - 15867240528012	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-22 - 15867240528112	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-23 - 15867240528013	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-24 - 15867240528113	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-25 - 15867240528014	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-26 - 15867240528114	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-27 - 15867240528015	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-28 - 15867240528115	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-29 - 15867240528016	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-30 - 15867240528116	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-3 - 15867240527003	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-33 - 15867240528018	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-34 - 15867240528118	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-35 - 15867240528019	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-36 - 15867240528119	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-37 - 15867240528020	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-38 - 15867240528120	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-39 - 15867240528021	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-40 - 15867240528121	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-41 - 15867240529022	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-4 - 15867240527103	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-42 - 15867240529122	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-43 - 15867240529023	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-44 - 15867240529123	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-47 - 15867240529025	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-48 - 15867240529125	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-5 - 15867240527004	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-55 - 15867240529030	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-56 - 15867240529130	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-57 - 15867240529031	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-58 - 15867240529131	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-59 - 15867240529032	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-60 - 15867240529132	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-61 - 15867240530033	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-6 - 15867240527104	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-62 - 15867240530133	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-71 - 15867240527201	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-7 - 15867240527005	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-74 - 15867240528204	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-77 - 15867240528207	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-80 - 15867240529210	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-8 - 15867240527105	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-83 - 15867240529213	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-86 - 15867240529216	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-87 - 15867240529217	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-9 - 15867240527006	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-92 - 15867240530222	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-LRMS (Wet Weight)										
Glass soil jar/Teflon lined cap										
L2756004-98 - 15867240530228	E689A	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-100 - 15867240530230	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-102 - 15867240530233	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-103 - 15867240530235	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-72 - 15867240527202	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-73 - 15867240527203	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-75 - 15867240528205	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-76 - 15867240528206	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-78 - 15867240528208	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-79 - 15867240528209	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-81 - 15867240529211	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-82 - 15867240529212	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-84 - 15867240529214	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-85 - 15867240529215	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-88 - 15867240529218	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-89 - 15867240529219	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-90 - 15867240529220	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-91 - 15867240529221	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-93 - 15867240530223	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-94 - 15867240530224	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-95 - 15867240530225	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-96 - 15867240530226	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Matrix: **Biota**

Evaluation: × = Holding time exceedance ; ✓ = Within Holding Time

Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-97 - 15867240530227	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Congeners in Biota by GC-MS (Dry weight)										
Glass soil jar/Teflon lined cap										
L2756004-99 - 15867240530229	E689	26-May-2024	07-Nov-2024	14 days	165 days	× EHT	08-Nov-2024	40 days	1 days	✓

Legend & Qualifier Definitions

EHT: Exceeded ALS recommended hold time prior to analysis.

Rec. HT: ALS recommended hold time (see units).

Quality Control Parameter Frequency Compliance

The following report summarizes the frequency of laboratory QC samples analyzed within the analytical batches (QC lots) in which the submitted samples were processed. The actual frequency should be greater than or equal to the expected frequency.

Matrix: **Biota**

Evaluation: × = *QC frequency outside specification*; ✓ = *QC frequency within specification.*

Quality Control Sample Type			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*QC*	*Regular*	*Actual*	*Expected*	*Evaluation*
Laboratory Duplicates (DUP)							
Moisture Content by Gravimetry	E144	1755369	6	81	7.4	5.0	✓
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A	1754608	4	58	6.9	5.0	✓
PCB Congeners in Biota by GC-MS (Dry weight)	E689	1754776	2	23	8.7	5.0	✓
Laboratory Control Samples (LCS)							
Moisture Content by Gravimetry	E144	1755369	6	81	7.4	5.0	✓
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A	1754608	10	58	17.2	10.0	✓
PCB Congeners in Biota by GC-MS (Dry weight)	E689	1754776	4	23	17.3	10.0	✓
Method Blanks (MB)							
Moisture Content by Gravimetry	E144	1755369	6	81	7.4	5.0	✓
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A	1754608	5	58	8.6	5.0	✓
PCB Congeners in Biota by GC-MS (Dry weight)	E689	1754776	2	23	8.7	5.0	✓

Methodology References and Summaries

The analytical methods used by ALS are developed using internationally recognized reference methods (where available), such as those published by US EPA, APHA Standard Methods, ASTM, ISO, Environment Canada, BC MOE, and Ontario MOE. Reference methods may incorporate modifications to improve performance (indicated by "mod").

Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Moisture Content by Gravimetry	E144 ALS Environmental - Burlington	Biota	Puget Sound Water Quality Authority/CCME PHC in Soil - Tier 1	Moisture is measured gravimetrically by drying the sample at 105°C. Moisture content is calculated as the weight loss (due to water) divided by the wet weight of the sample, expressed as a percentage.
PCB Congeners in Biota by GC-MS (Dry weight)	E689 ALS Environmental - Burlington	Biota	EPA 8270E (mod)	PCB congeners are analyzed by GC-MS. Reported on a dry-weight basis.
PCB Congeners in Biota by GC-LRMS (Wet Weight)	E689A ALS Environmental - Burlington	Biota	EPA 8270E (mod)	PCB congeners are analyzed by GC-MS. Reported on a wet-weight basis.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
DCM Soxhlet Extraction of Biota for PCBs	EP689 ALS Environmental - Burlington	Biota	EPA 8270E (mod)	Samples are extracted with DCM using a Soxhlet apparatus followed by appropriate cleanup.

Your P.O. #: PO-37832
Site Location: SWAN HILLS TREATMENT CENTRE
Your C.O.C. #: n/a

Attention: Louisa Ramsey

Veolia Water Technologies & Solutions
Swan Hills treatment Centre
Mailbag 1500
Swan Hills, AB
CANADA T0G 2C0

Report Date: 2024/05/27
Report #: R8165036
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4E1791
Received: 2024/05/10, 09:33

Sample Matrix: Filter
Samples Received: 21

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Total Metals on Hi-Vol Filter (6010Cmod)	3	2024/05/21	2024/05/23	CAM SOP-00408	EPA 6010D m
Total Metals on Hi-Vol Filter (6010Cmod)	18	2024/05/23	2024/05/24	CAM SOP-00408	EPA 6010D m

Remarks:

Bureau Veritas is accredited to ISO/IEC 17025 for specific parameters on scopes of accreditation. Unless otherwise noted, procedures used by Bureau Veritas are based upon recognized Provincial, Federal or US method compendia such as CCME, EPA, APHA or the Quebec Ministry of Environment.

All work recorded herein has been done in accordance with procedures and practices ordinarily exercised by professionals in Bureau Veritas' profession using accepted testing methodologies, quality assurance and quality control procedures (except where otherwise agreed by the client and Bureau Veritas in writing). All data is in statistical control and has met quality control and method performance criteria unless otherwise noted. All method blanks are reported; unless indicated otherwise, associated sample data are not blank corrected. Where applicable, unless otherwise noted, Measurement Uncertainty has not been accounted for when stating conformity to the referenced standard.

Bureau Veritas liability is limited to the actual cost of the requested analyses, unless otherwise agreed in writing. There is no other warranty expressed or implied. Bureau Veritas has been retained to provide analysis of samples provided by the Client using the testing methodology referenced in this report. Interpretation and use of test results are the sole responsibility of the Client and are not within the scope of services provided by Bureau Veritas, unless otherwise agreed in writing. Bureau Veritas is not responsible for the accuracy or any data impacts, that result from the information provided by the customer or their agent.

Solid sample results, except biota, are based on dry weight unless otherwise indicated. Organic analyses are not recovery corrected except for isotope dilution methods.
Results relate to samples tested. When sampling is not conducted by Bureau Veritas, results relate to the supplied samples tested.
This Certificate shall not be reproduced except in full, without the written approval of the laboratory.
Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

Your P.O. #: PO-37832
Site Location: SWAN HILLS TREATMENT CENTRE
Your C.O.C. #: n/a

Attention: Louisa Ramsey

Veolia Water Technologies & Solutions
Swan Hills treatment Centre
Mailbag 1500
Swan Hills, AB
CANADA T0G 2C0

Report Date: 2024/05/27
Report #: R8165036
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C4E1791
Received: 2024/05/10, 09:33

Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Cristina (Maria) Bacchus, Project Manager
Email: maria.bacchus@bureauveritas.com
Phone# (905)817-5763

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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Rodney Major, General Manager responsible for Ontario Environmental laboratory operations.

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Bureau Veritas Job #: C4E1791
Report Date: 2024/05/27

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ596	ZDJ597	ZDJ598		
Sampling Date		2024/04/29 00:00	2023/02/01 00:00	2023/03/08 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	BLANK FILTER #9894180	SITE 1 FILTER #9402629	SITE 1 FILTER #9402627	RDL	QC Batch
Metals						
Aluminum (Al)	ug	569	373	401	50	9403820
Antimony (Sb)	ug	<10	<10	<10	10	9403820
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9403820
Barium (Ba)	ug	3.1	3.4	5.3	1.0	9403820
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9403820
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9403820
Boron (B)	ug	204	175	171	6.0	9403820
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9403820
Calcium (Ca)	ug	1810	1500	1830	50	9403820
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9403820
Cobalt (Co)	ug	<2.0	<2.0	2.4	2.0	9403820
Copper (Cu)	ug	<5.0	16.9	13.7	5.0	9403820
Iron (Fe)	ug	52	76	174	50	9403820
Lead (Pb)	ug	<3.0	<3.0	<3.0	3.0	9403820
Lithium (Li)	ug	<27	<27	<27	27	9403820
Magnesium (Mg)	ug	570	525	620	50	9403820
Manganese (Mn)	ug	<1.0	2.7	7.1	1.0	9403820
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9403820
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9403820
Phosphorus (P)	ug	<25	<25	<25	25	9403820
Potassium (K)	ug	592	607	610	100	9403820
Selenium (Se)	ug	<10	<10	<10	10	9403820
Silicon (Si)	ug	73	78	109	10	9403820
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9403820
Sodium (Na)	ug	19900	22700	22200	50	9403820
Strontium (Sr)	ug	3.9	3.3	3.8	1.0	9403820
Sulphur (S)	ug	<25	178	1730	25	9403820
Tin (Sn)	ug	<10	<10	<10	10	9403820
Titanium (Ti)	ug	13	<10	<10	10	9403820
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9403820
Zinc (Zn)	ug	<5.0	14.5	15.4	5.0	9403820
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9403820

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ599	ZDJ600	ZDJ601		
Sampling Date		2023/04/04 00:00	2023/05/16 00:00	2023/05/30 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 1 FILTER #9402625	SITE 1 FILTER #9402621	SITE 1 FILTER #9402619	RDL	QC Batch
Metals						
Aluminum (Al)	ug	422	584	527	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	4.1	50.6	9.7	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	203	203	227	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1790	6480	2000	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	2.7	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	10.2	13.0	15.4	5.0	9408326
Iron (Fe)	ug	166	571	303	50	9408326
Lead (Pb)	ug	<3.0	<3.0	<3.0	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	590	1080	682	50	9408326
Manganese (Mn)	ug	5.1	309	13.6	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	34	516	189	25	9408326
Potassium (K)	ug	603	2450	835	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	359	383	383	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	23400	22700	24600	50	9408326
Strontium (Sr)	ug	4.0	20.0	4.4	1.0	9408326
Sulphur (S)	ug	1020	1350	255	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	<10	15	<10	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	11.6	108	19.2	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ602	ZDJ603	ZDJ604		
Sampling Date		2023/07/04 00:00	2023/08/01 00:00	2023/09/13 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 1 FILTER #9402611	SITE 1 FILTER #9402609	SITE 1 FILTER #9402606	RDL	QC Batch
Metals						
Aluminum (Al)	ug	385	431	592	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	3.6	18.8	14.2	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	249	222	222	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1730	1750	2200	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	11.3	<2.0	2.0	9408326
Copper (Cu)	ug	5.6	14.8	21.5	5.0	9408326
Iron (Fe)	ug	89	264	681	50	9408326
Lead (Pb)	ug	<3.0	<3.0	6.8	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	575	572	721	50	9408326
Manganese (Mn)	ug	4.6	7.0	24.1	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	53	42	79	25	9408326
Potassium (K)	ug	725	632	748	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	370	342	394	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	24600	23300	25200	50	9408326
Strontium (Sr)	ug	3.5	4.1	5.6	1.0	9408326
Sulphur (S)	ug	320	398	441	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	<10	12	19	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	11.4	19.3	57.9	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

RDL = Reportable Detection Limit
QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ605	ZDJ606	ZDJ607		
Sampling Date		2023/10/17 00:00	2023/10/19 00:00	2023/02/01 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 1 FILTER #9402605	SITE 1 FILTER #9402603	SITE 9 FILTER #9402628	RDL	QC Batch
Metals						
Aluminum (Al)	ug	449	377	430	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	5.9	3.1	3.7	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	222	206	193	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1900	1640	1620	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	14.2	7.8	16.8	5.0	9408326
Iron (Fe)	ug	398	109	306	50	9408326
Lead (Pb)	ug	<3.0	<3.0	<3.0	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	603	549	548	50	9408326
Manganese (Mn)	ug	13.2	2.8	4.1	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	35	<25	<25	25	9408326
Potassium (K)	ug	605	582	575	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	353	340	344	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	22900	23500	25300	50	9408326
Strontium (Sr)	ug	4.1	3.4	3.5	1.0	9408326
Sulphur (S)	ug	555	246	248	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	10	<10	<10	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	14.7	13.1	17.9	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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QC Batch = Quality Control Batch

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ608	ZDJ609	ZDJ610		
Sampling Date		2023/03/08 00:00	2023/04/04 00:00	2023/05/16 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 9 FILTER #9402626	SITE 9 FILTER #9402624	SITE 9 FILTER #9402620	RDL	QC Batch
Metals						
Aluminum (Al)	ug	429	424	1000	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	4.9	4.2	59.8	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	193	211	210	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	2.9	2.0	9408326
Calcium (Ca)	ug	1980	1800	6630	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	11.0	8.4	44.4	5.0	9408326
Iron (Fe)	ug	207	154	1180	50	9408326
Lead (Pb)	ug	<3.0	<3.0	14.7	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	675	595	1170	50	9408326
Manganese (Mn)	ug	7.4	4.2	288	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	3.2	3.0	9408326
Phosphorus (P)	ug	<25	<25	467	25	9408326
Potassium (K)	ug	609	605	2400	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	361	347	425	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	23200	23900	24000	50	9408326
Strontium (Sr)	ug	4.1	3.8	20.4	1.0	9408326
Sulphur (S)	ug	1840	929	1520	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	<10	<10	31	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	14.2	10.0	155	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ611	ZDJ612	ZDJ613		
Sampling Date		2023/05/30 00:00	2023/07/04 00:00	2023/08/01 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 9 FILTER #9402618	SITE 9 FILTER #9402610	SITE 9 FILTER #9402608	RDL	QC Batch
Metals						
Aluminum (Al)	ug	789	411	598	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	10.7	5.0	11.3	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	196	239	214	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	1900	1630	1980	50	9408326
Chromium (Cr)	ug	<5.0	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	2.1	2.0	9408326
Copper (Cu)	ug	9.9	10.5	13.6	5.0	9408326
Iron (Fe)	ug	638	115	630	50	9408326
Lead (Pb)	ug	<3.0	<3.0	3.2	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	647	547	678	50	9408326
Manganese (Mn)	ug	15.8	4.7	15.7	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	<3.0	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	69	55	49	25	9408326
Potassium (K)	ug	663	682	640	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	403	348	461	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	22300	23500	23100	50	9408326
Strontium (Sr)	ug	4.5	3.4	4.6	1.0	9408326
Sulphur (S)	ug	328	275	379	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	13	<10	20	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	16.9	13.9	19.8	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

ELEMENTS BY ICP-AES (FILTER)

Bureau Veritas ID		ZDJ614	ZDJ615	ZDJ616		
Sampling Date		2023/09/13 00:00	2023/10/17 00:00	2023/10/19 00:00		
COC Number		n/a	n/a	n/a		
	UNITS	SITE 9 FILTER #9402607	SITE 9 FILTER #9402604	SITE 9 FILTER #9402602	RDL	QC Batch
Metals						
Aluminum (Al)	ug	1190	705	551	50	9408326
Antimony (Sb)	ug	<10	<10	<10	10	9408326
Arsenic (As)	ug	<6.0	<6.0	<6.0	6.0	9408326
Barium (Ba)	ug	39.5	15.7	16.8	1.0	9408326
Beryllium (Be)	ug	<1.0	<1.0	<1.0	1.0	9408326
Bismuth (Bi)	ug	<6.0	<6.0	<6.0	6.0	9408326
Boron (B)	ug	205	188	245	6.0	9408326
Cadmium (Cd)	ug	<2.0	<2.0	<2.0	2.0	9408326
Calcium (Ca)	ug	3190	2210	2130	50	9408326
Chromium (Cr)	ug	5.7	<5.0	<5.0	5.0	9408326
Cobalt (Co)	ug	<2.0	<2.0	<2.0	2.0	9408326
Copper (Cu)	ug	55.7	24.3	21.5	5.0	9408326
Iron (Fe)	ug	2240	1050	403	50	9408326
Lead (Pb)	ug	24.7	5.8	14.3	3.0	9408326
Lithium (Li)	ug	<27	<27	<27	27	9408326
Magnesium (Mg)	ug	1020	706	649	50	9408326
Manganese (Mn)	ug	53.1	27.6	8.2	1.0	9408326
Molybdenum (Mo)	ug	<3.0	<3.0	<3.0	3.0	9408326
Nickel (Ni)	ug	4.7	<3.0	<3.0	3.0	9408326
Phosphorus (P)	ug	116	49	33	25	9408326
Potassium (K)	ug	815	617	675	100	9408326
Selenium (Se)	ug	<10	<10	<10	10	9408326
Silicon (Si)	ug	572	497	500	10	9408326
Silver (Ag)	ug	<5.0	<5.0	<5.0	5.0	9408326
Sodium (Na)	ug	24500	22100	26700	50	9408326
Strontium (Sr)	ug	8.6	5.0	5.0	1.0	9408326
Sulphur (S)	ug	709	504	306	25	9408326
Tin (Sn)	ug	<10	<10	<10	10	9408326
Titanium (Ti)	ug	69	28	24	10	9408326
Vanadium (V)	ug	<5.0	<5.0	<5.0	5.0	9408326
Zinc (Zn)	ug	125	32.2	65.2	5.0	9408326
Zirconium (Zr)	ug	<5.0	<5.0	<5.0	5.0	9408326

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

GENERAL COMMENTS

Results relate only to the items tested.

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QUALITY ASSURANCE REPORT

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
9403820	MEN	Matrix Spike	Aluminum (Al)	2024/05/22		132 (1)	%	75 - 125
			Antimony (Sb)	2024/05/22		94	%	75 - 125
			Arsenic (As)	2024/05/22		98	%	75 - 125
			Barium (Ba)	2024/05/22		102	%	75 - 125
			Beryllium (Be)	2024/05/22		94	%	75 - 125
			Bismuth (Bi)	2024/05/22		98	%	75 - 125
			Boron (B)	2024/05/22		95	%	75 - 125
			Cadmium (Cd)	2024/05/22		101	%	75 - 125
			Calcium (Ca)	2024/05/22		94	%	75 - 125
			Chromium (Cr)	2024/05/22		92	%	75 - 125
			Cobalt (Co)	2024/05/22		97	%	75 - 125
			Copper (Cu)	2024/05/22		93	%	75 - 125
			Iron (Fe)	2024/05/22		102	%	75 - 125
			Lead (Pb)	2024/05/22		95	%	75 - 125
			Magnesium (Mg)	2024/05/22		102	%	75 - 125
			Manganese (Mn)	2024/05/22		97	%	75 - 125
			Molybdenum (Mo)	2024/05/22		99	%	75 - 125
			Nickel (Ni)	2024/05/22		96	%	75 - 125
			Phosphorus (P)	2024/05/22		102	%	75 - 125
			Potassium (K)	2024/05/22		99	%	75 - 125
			Selenium (Se)	2024/05/22		99	%	75 - 125
			Silicon (Si)	2024/05/22		296 (1)	%	75 - 125
			Silver (Ag)	2024/05/22		100	%	75 - 125
			Sodium (Na)	2024/05/22		96	%	75 - 125
			Strontium (Sr)	2024/05/22		97	%	75 - 125
			Sulphur (S)	2024/05/22		106	%	75 - 125
			Tin (Sn)	2024/05/22		101	%	75 - 125
			Titanium (Ti)	2024/05/22		97	%	75 - 125
			Vanadium (V)	2024/05/22		95	%	75 - 125
			Zinc (Zn)	2024/05/22		96	%	75 - 125
			Zirconium (Zr)	2024/05/22		94	%	75 - 125
9403820	MEN	RPD	Aluminum (Al)	2024/05/22	4.7		%	20
			Antimony (Sb)	2024/05/22	0.32		%	20
			Arsenic (As)	2024/05/22	0.51		%	20
			Barium (Ba)	2024/05/22	1.4		%	20
			Beryllium (Be)	2024/05/22	0.11		%	20
			Bismuth (Bi)	2024/05/22	1.5		%	20
			Boron (B)	2024/05/22	0.42		%	20
			Cadmium (Cd)	2024/05/22	0.20		%	20
			Calcium (Ca)	2024/05/22	2.6		%	20
			Chromium (Cr)	2024/05/22	1.9		%	20
			Cobalt (Co)	2024/05/22	0.21		%	20
			Copper (Cu)	2024/05/22	5.1		%	20
			Iron (Fe)	2024/05/22	2.4		%	20
			Lead (Pb)	2024/05/22	1.1		%	20
			Magnesium (Mg)	2024/05/22	0.88		%	20
			Manganese (Mn)	2024/05/22	0.62		%	20
			Molybdenum (Mo)	2024/05/22	0		%	20
			Nickel (Ni)	2024/05/22	0.42		%	20
			Phosphorus (P)	2024/05/22	1.7		%	20
			Potassium (K)	2024/05/22	0		%	20

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Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Selenium (Se)	2024/05/22	1.8		%	20
			Silicon (Si)	2024/05/22	1.1		%	20
			Silver (Ag)	2024/05/22	0.79		%	20
			Sodium (Na)	2024/05/22	3.8		%	20
			Strontium (Sr)	2024/05/22	0.31		%	20
			Sulphur (S)	2024/05/22	11		%	20
			Tin (Sn)	2024/05/22	0.70		%	20
			Titanium (Ti)	2024/05/22	0.52		%	20
			Vanadium (V)	2024/05/22	0.74		%	20
			Zinc (Zn)	2024/05/22	0.93		%	20
			Zirconium (Zr)	2024/05/22	0.75		%	20
			Aluminum (Al)	2024/05/22	3.9		%	20
			Antimony (Sb)	2024/05/22	1.0		%	20
			Arsenic (As)	2024/05/22	0.83		%	20
			Barium (Ba)	2024/05/22	0.71		%	20
			Beryllium (Be)	2024/05/22	1.5		%	20
			Bismuth (Bi)	2024/05/22	0.10		%	20
			Boron (B)	2024/05/22	0.53		%	20
			Cadmium (Cd)	2024/05/22	1.0		%	20
			Calcium (Ca)	2024/05/22	1.2		%	20
			Chromium (Cr)	2024/05/22	1.4		%	20
			Cobalt (Co)	2024/05/22	0.62		%	20
			Copper (Cu)	2024/05/22	0.31		%	20
			Iron (Fe)	2024/05/22	0.71		%	20
			Lead (Pb)	2024/05/22	0.95		%	20
			Magnesium (Mg)	2024/05/22	0.92		%	20
			Manganese (Mn)	2024/05/22	1.2		%	20
			Molybdenum (Mo)	2024/05/22	0.61		%	20
			Nickel (Ni)	2024/05/22	0.73		%	20
			Phosphorus (P)	2024/05/22	2.5		%	20
			Potassium (K)	2024/05/22	0		%	20
			Selenium (Se)	2024/05/22	2.8		%	20
			Silicon (Si)	2024/05/22	0.11		%	20
			Silver (Ag)	2024/05/22	0.97		%	20
			Sodium (Na)	2024/05/22	1.2		%	20
			Strontium (Sr)	2024/05/22	1.4		%	20
			Sulphur (S)	2024/05/22	0.19		%	20
			Tin (Sn)	2024/05/22	0.80		%	20
			Titanium (Ti)	2024/05/22	1.6		%	20
			Vanadium (V)	2024/05/22	2.0		%	20
			Zinc (Zn)	2024/05/22	0.62		%	20
			Zirconium (Zr)	2024/05/22	1.3		%	20
			Arsenic (As)	2024/05/22	NC		%	20
			Barium (Ba)	2024/05/22	9.7		%	20
			Cadmium (Cd)	2024/05/22	NC		%	20
			Chromium (Cr)	2024/05/22	NC		%	20
			Cobalt (Co)	2024/05/22	NC		%	20
			Iron (Fe)	2024/05/22	9.0		%	20
			Lead (Pb)	2024/05/22	6.4		%	20
			Magnesium (Mg)	2024/05/22	11		%	20
			Manganese (Mn)	2024/05/22	9.8		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Nickel (Ni)	2024/05/22	NC		%	20
9403820	MEN	Spiked Blank	Aluminum (Al)	2024/05/22		93	%	85 - 115
			Antimony (Sb)	2024/05/22		90	%	66 - 107
			Arsenic (As)	2024/05/22		97	%	85 - 115
			Barium (Ba)	2024/05/22		99	%	85 - 115
			Beryllium (Be)	2024/05/22		94	%	85 - 115
			Bismuth (Bi)	2024/05/22		98	%	85 - 115
			Boron (B)	2024/05/22		94	%	85 - 115
			Cadmium (Cd)	2024/05/22		100	%	85 - 115
			Calcium (Ca)	2024/05/22		91	%	85 - 115
			Chromium (Cr)	2024/05/22		89	%	85 - 115
			Cobalt (Co)	2024/05/22		97	%	85 - 115
			Copper (Cu)	2024/05/22		96	%	85 - 115
			Iron (Fe)	2024/05/22		99	%	85 - 115
			Lead (Pb)	2024/05/22		95	%	85 - 115
			Magnesium (Mg)	2024/05/22		98	%	85 - 115
			Manganese (Mn)	2024/05/22		97	%	85 - 115
			Molybdenum (Mo)	2024/05/22		99	%	85 - 115
			Nickel (Ni)	2024/05/22		95	%	85 - 115
			Phosphorus (P)	2024/05/22		100	%	85 - 115
			Potassium (K)	2024/05/22		97	%	85 - 115
			Selenium (Se)	2024/05/22		101	%	85 - 115
			Silicon (Si)	2024/05/22		93	%	85 - 115
			Silver (Ag)	2024/05/22		102	%	85 - 115
			Sodium (Na)	2024/05/22		90	%	85 - 115
			Strontium (Sr)	2024/05/22		95	%	85 - 115
			Sulphur (S)	2024/05/22		104	%	85 - 115
			Tin (Sn)	2024/05/22		100	%	85 - 115
			Titanium (Ti)	2024/05/22		95	%	85 - 115
			Vanadium (V)	2024/05/22		95	%	85 - 115
			Zinc (Zn)	2024/05/22		97	%	85 - 115
			Zirconium (Zr)	2024/05/22		95	%	85 - 115
9403820	MEN	Method Blank	Aluminum (Al)	2024/05/22	<50		ug	
			Antimony (Sb)	2024/05/22	<10		ug	
			Arsenic (As)	2024/05/22	<6.0		ug	
			Barium (Ba)	2024/05/22	<1.0		ug	
			Beryllium (Be)	2024/05/22	<1.0		ug	
			Bismuth (Bi)	2024/05/22	<6.0		ug	
			Boron (B)	2024/05/22	<6.0		ug	
			Cadmium (Cd)	2024/05/22	<2.0		ug	
			Calcium (Ca)	2024/05/22	<50		ug	
			Chromium (Cr)	2024/05/22	<5.0		ug	
			Cobalt (Co)	2024/05/22	<2.0		ug	
			Copper (Cu)	2024/05/22	<5.0		ug	
			Iron (Fe)	2024/05/22	<50		ug	
			Lead (Pb)	2024/05/22	<3.0		ug	
			Lithium (Li)	2024/05/22	<27		ug	
			Magnesium (Mg)	2024/05/22	<50		ug	
			Manganese (Mn)	2024/05/22	<1.0		ug	
			Molybdenum (Mo)	2024/05/22	<3.0		ug	
			Nickel (Ni)	2024/05/22	<3.0		ug	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Phosphorus (P)	2024/05/22	<25		ug	
			Potassium (K)	2024/05/22	<100		ug	
			Selenium (Se)	2024/05/22	<10		ug	
			Silicon (Si)	2024/05/22	<10		ug	
			Silver (Ag)	2024/05/22	<5.0		ug	
			Sodium (Na)	2024/05/22	<50		ug	
			Strontium (Sr)	2024/05/22	<1.0		ug	
			Sulphur (S)	2024/05/22	<25		ug	
			Tin (Sn)	2024/05/22	<10		ug	
			Titanium (Ti)	2024/05/22	<10		ug	
			Vanadium (V)	2024/05/22	<5.0		ug	
			Zinc (Zn)	2024/05/22	<5.0		ug	
			Zirconium (Zr)	2024/05/22	<5.0		ug	
9408326	JGC	Matrix Spike [ZDJ600-01]	Aluminum (Al)	2024/05/24		NC	%	75 - 125
			Antimony (Sb)	2024/05/24		97	%	75 - 125
			Arsenic (As)	2024/05/24		104	%	75 - 125
			Barium (Ba)	2024/05/24		97	%	75 - 125
			Beryllium (Be)	2024/05/24		104	%	75 - 125
			Bismuth (Bi)	2024/05/24		99	%	75 - 125
			Boron (B)	2024/05/24		NC	%	75 - 125
			Cadmium (Cd)	2024/05/24		104	%	75 - 125
			Calcium (Ca)	2024/05/24		NC	%	75 - 125
			Chromium (Cr)	2024/05/24		106	%	75 - 125
			Cobalt (Co)	2024/05/24		100	%	75 - 125
			Copper (Cu)	2024/05/24		104	%	75 - 125
			Iron (Fe)	2024/05/24		103	%	75 - 125
			Lead (Pb)	2024/05/24		99	%	75 - 125
			Magnesium (Mg)	2024/05/24		106	%	75 - 125
			Manganese (Mn)	2024/05/24		107	%	75 - 125
			Molybdenum (Mo)	2024/05/24		101	%	75 - 125
			Nickel (Ni)	2024/05/24		100	%	75 - 125
			Phosphorus (P)	2024/05/24		109	%	75 - 125
			Potassium (K)	2024/05/24		107	%	75 - 125
			Selenium (Se)	2024/05/24		87	%	75 - 125
			Silicon (Si)	2024/05/24		NC	%	75 - 125
			Silver (Ag)	2024/05/24		98	%	75 - 125
			Sodium (Na)	2024/05/24		NC	%	75 - 125
			Strontium (Sr)	2024/05/24		102	%	75 - 125
			Sulphur (S)	2024/05/24		120	%	75 - 125
			Tin (Sn)	2024/05/24		101	%	75 - 125
			Titanium (Ti)	2024/05/24		101	%	75 - 125
			Vanadium (V)	2024/05/24		101	%	75 - 125
			Zinc (Zn)	2024/05/24		103	%	75 - 125
			Zirconium (Zr)	2024/05/24		91	%	75 - 125
9408326	JGC	RPD [ZDJ600-01]	Aluminum (Al)	2024/05/24	0		%	20
			Antimony (Sb)	2024/05/24	0.51		%	20
			Arsenic (As)	2024/05/24	0.57		%	20
			Barium (Ba)	2024/05/24	6.7		%	20
			Beryllium (Be)	2024/05/24	0.96		%	20
			Bismuth (Bi)	2024/05/24	2.6		%	20
			Boron (B)	2024/05/24	0		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Cadmium (Cd)	2024/05/24	1.3		%	20
			Calcium (Ca)	2024/05/24	0		%	20
			Chromium (Cr)	2024/05/24	0.85		%	20
			Cobalt (Co)	2024/05/24	1.0		%	20
			Copper (Cu)	2024/05/24	1.6		%	20
			Iron (Fe)	2024/05/24	4.1		%	20
			Lead (Pb)	2024/05/24	1.3		%	20
			Magnesium (Mg)	2024/05/24	7.3		%	20
			Manganese (Mn)	2024/05/24	24 (2)		%	20
			Molybdenum (Mo)	2024/05/24	0.49		%	20
			Nickel (Ni)	2024/05/24	1.8		%	20
			Phosphorus (P)	2024/05/24	9.1		%	20
			Potassium (K)	2024/05/24	12		%	20
			Selenium (Se)	2024/05/24	4.6		%	20
			Silicon (Si)	2024/05/24	0		%	20
			Silver (Ag)	2024/05/24	1.0		%	20
			Sodium (Na)	2024/05/24	0		%	20
			Strontium (Sr)	2024/05/24	3.9		%	20
			Sulphur (S)	2024/05/24	30 (2)		%	20
			Tin (Sn)	2024/05/24	1.7		%	20
			Titanium (Ti)	2024/05/24	0.20		%	20
			Vanadium (V)	2024/05/24	1.6		%	20
			Zinc (Zn)	2024/05/24	2.6		%	20
			Zirconium (Zr)	2024/05/24	3.6		%	20
			Aluminum (Al)	2024/05/24	4.9		%	20
			Antimony (Sb)	2024/05/24	NC		%	20
			Arsenic (As)	2024/05/24	NC		%	20
			Barium (Ba)	2024/05/24	0.44		%	20
			Beryllium (Be)	2024/05/24	NC		%	20
			Bismuth (Bi)	2024/05/24	NC		%	20
			Boron (B)	2024/05/24	5.5		%	20
			Cadmium (Cd)	2024/05/24	NC		%	20
			Calcium (Ca)	2024/05/24	3.6		%	20
			Chromium (Cr)	2024/05/24	NC		%	20
			Cobalt (Co)	2024/05/24	NC		%	20
			Copper (Cu)	2024/05/24	NC		%	20
			Iron (Fe)	2024/05/24	4.8		%	20
			Lead (Pb)	2024/05/24	14		%	20
			Lithium (Li)	2024/05/24	NC		%	20
			Magnesium (Mg)	2024/05/24	4.3		%	20
			Manganese (Mn)	2024/05/24	0.68		%	20
			Molybdenum (Mo)	2024/05/24	NC		%	20
			Nickel (Ni)	2024/05/24	NC		%	20
			Phosphorus (P)	2024/05/24	1.6		%	20
			Potassium (K)	2024/05/24	4.8		%	20
			Selenium (Se)	2024/05/24	NC		%	20
			Silicon (Si)	2024/05/24	3.9		%	20
			Silver (Ag)	2024/05/24	NC		%	20
			Sodium (Na)	2024/05/24	4.3		%	20
			Strontium (Sr)	2024/05/24	1.6		%	20
			Sulphur (S)	2024/05/24	5.0		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Tin (Sn)	2024/05/24	NC		%	20
			Titanium (Ti)	2024/05/24	1.9		%	20
			Vanadium (V)	2024/05/24	NC		%	20
			Zinc (Zn)	2024/05/24	3.4		%	20
			Zirconium (Zr)	2024/05/24	NC		%	20
9408326	JGC	Spiked Blank	Aluminum (Al)	2024/05/24		99	%	85 - 115
			Antimony (Sb)	2024/05/24		99	%	66 - 107
			Arsenic (As)	2024/05/24		102	%	85 - 115
			Barium (Ba)	2024/05/24		96	%	85 - 115
			Beryllium (Be)	2024/05/24		104	%	85 - 115
			Bismuth (Bi)	2024/05/24		100	%	85 - 115
			Boron (B)	2024/05/24		102	%	85 - 115
			Cadmium (Cd)	2024/05/24		103	%	85 - 115
			Calcium (Ca)	2024/05/24		101	%	85 - 115
			Chromium (Cr)	2024/05/24		102	%	85 - 115
			Cobalt (Co)	2024/05/24		101	%	85 - 115
			Copper (Cu)	2024/05/24		102	%	85 - 115
			Iron (Fe)	2024/05/24		100	%	85 - 115
			Lead (Pb)	2024/05/24		100	%	85 - 115
			Magnesium (Mg)	2024/05/24		102	%	85 - 115
			Manganese (Mn)	2024/05/24		103	%	85 - 115
			Molybdenum (Mo)	2024/05/24		99	%	85 - 115
			Nickel (Ni)	2024/05/24		102	%	85 - 115
			Phosphorus (P)	2024/05/24		104	%	85 - 115
			Potassium (K)	2024/05/24		100	%	85 - 115
			Selenium (Se)	2024/05/24		103	%	85 - 115
			Silicon (Si)	2024/05/24		102	%	85 - 115
			Silver (Ag)	2024/05/24		98	%	85 - 115
			Sodium (Na)	2024/05/24		100	%	85 - 115
			Strontium (Sr)	2024/05/24		101	%	85 - 115
			Sulphur (S)	2024/05/24		103	%	85 - 115
			Tin (Sn)	2024/05/24		101	%	85 - 115
			Titanium (Ti)	2024/05/24		100	%	85 - 115
			Vanadium (V)	2024/05/24		100	%	85 - 115
			Zinc (Zn)	2024/05/24		101	%	85 - 115
			Zirconium (Zr)	2024/05/24		102	%	85 - 115
9408326	JGC	RPD	Aluminum (Al)	2024/05/24	1.6		%	20
			Antimony (Sb)	2024/05/24	3.2		%	20
			Arsenic (As)	2024/05/24	2.6		%	20
			Barium (Ba)	2024/05/24	2.4		%	20
			Beryllium (Be)	2024/05/24	2.3		%	20
			Bismuth (Bi)	2024/05/24	1.9		%	20
			Boron (B)	2024/05/24	2.6		%	20
			Cadmium (Cd)	2024/05/24	3.1		%	20
			Calcium (Ca)	2024/05/24	1.8		%	20
			Chromium (Cr)	2024/05/24	2.9		%	20
			Cobalt (Co)	2024/05/24	2.8		%	20
			Copper (Cu)	2024/05/24	1.3		%	20
			Iron (Fe)	2024/05/24	1.4		%	20
			Lead (Pb)	2024/05/24	2.2		%	20
			Magnesium (Mg)	2024/05/24	1.6		%	20

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Manganese (Mn)	2024/05/24	2.1		%	20
			Molybdenum (Mo)	2024/05/24	2.2		%	20
			Nickel (Ni)	2024/05/24	2.8		%	20
			Phosphorus (P)	2024/05/24	2.3		%	20
			Potassium (K)	2024/05/24	0.20		%	20
			Selenium (Se)	2024/05/24	1.6		%	20
			Silicon (Si)	2024/05/24	3.0		%	20
			Silver (Ag)	2024/05/24	3.0		%	20
			Sodium (Na)	2024/05/24	2.3		%	20
			Strontium (Sr)	2024/05/24	2.2		%	20
			Sulphur (S)	2024/05/24	2.7		%	20
			Tin (Sn)	2024/05/24	3.1		%	20
			Titanium (Ti)	2024/05/24	2.4		%	20
			Vanadium (V)	2024/05/24	2.2		%	20
			Zinc (Zn)	2024/05/24	2.7		%	20
			Zirconium (Zr)	2024/05/24	2.8		%	20
9408326	JGC	Method Blank	Aluminum (Al)	2024/05/24	<50		ug	
			Antimony (Sb)	2024/05/24	<10		ug	
			Arsenic (As)	2024/05/24	<6.0		ug	
			Barium (Ba)	2024/05/24	<1.0		ug	
			Beryllium (Be)	2024/05/24	<1.0		ug	
			Bismuth (Bi)	2024/05/24	<6.0		ug	
			Boron (B)	2024/05/24	<6.0		ug	
			Cadmium (Cd)	2024/05/24	<2.0		ug	
			Calcium (Ca)	2024/05/24	<50		ug	
			Chromium (Cr)	2024/05/24	<5.0		ug	
			Cobalt (Co)	2024/05/24	<2.0		ug	
			Copper (Cu)	2024/05/24	<5.0		ug	
			Iron (Fe)	2024/05/24	<50		ug	
			Lead (Pb)	2024/05/24	<3.0		ug	
			Lithium (Li)	2024/05/24	<27		ug	
			Magnesium (Mg)	2024/05/24	<50		ug	
			Manganese (Mn)	2024/05/24	<1.0		ug	
			Molybdenum (Mo)	2024/05/24	<3.0		ug	
			Nickel (Ni)	2024/05/24	<3.0		ug	
			Phosphorus (P)	2024/05/24	<25		ug	
			Potassium (K)	2024/05/24	<100		ug	
			Selenium (Se)	2024/05/24	<10		ug	
			Silicon (Si)	2024/05/24	<10		ug	
			Silver (Ag)	2024/05/24	<5.0		ug	
			Sodium (Na)	2024/05/24	<50		ug	
			Strontium (Sr)	2024/05/24	<1.0		ug	
			Sulphur (S)	2024/05/24	<25		ug	
			Tin (Sn)	2024/05/24	<10		ug	
			Titanium (Ti)	2024/05/24	<10		ug	
			Vanadium (V)	2024/05/24	<5.0		ug	
			Zinc (Zn)	2024/05/24	<5.0		ug	

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QUALITY ASSURANCE REPORT(CONT'D)

QA/QC Batch	Init	QC Type	Parameter	Date Analyzed	Value	Recovery	UNITS	QC Limits
			Zirconium (Zr)	2024/05/24	<5.0		ug	

Duplicate: Paired analysis of a separate portion of the same sample. Used to evaluate the variance in the measurement.

Matrix Spike: A sample to which a known amount of the analyte of interest has been added. Used to evaluate sample matrix interference.

Spiked Blank: A blank matrix sample to which a known amount of the analyte, usually from a second source, has been added. Used to evaluate method accuracy.

Method Blank: A blank matrix containing all reagents used in the analytical procedure. Used to identify laboratory contamination.

NC (Matrix Spike): The recovery in the matrix spike was not calculated. The relative difference between the concentration in the parent sample and the spike amount was too small to permit a reliable recovery calculation (matrix spike concentration was less than the native sample concentration)

NC (Duplicate RPD): The duplicate RPD was not calculated. The concentration in the sample and/or duplicate was too low to permit a reliable RPD calculation (absolute difference <= 2x RDL).

(1) Matrix Spike exceeds acceptance limits, probable matrix interference

(2) Recovery or RPD for this parameter is outside control limits. The overall quality control for this analysis meets acceptability criteria.

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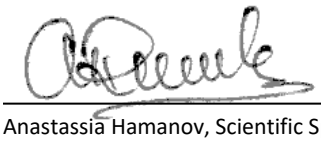
Bureau Veritas Job #: C4E1791
Report Date: 2024/05/27

Veolia Water Technologies & Solutions
Site Location: SWAN HILLS TREATMENT CENTRE
Your P.O. #: PO-37832
Sampler Initials: LR

VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:



Anastassia Hamanov, Scientific Specialist

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Bureau Veritas 6740 Campobello Road, Mississauga, Ontario, L5N 2L8 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5777 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

Client Project Information

Project ID: 15867-503 SOIL & VEGETATION MONITORING PROGRAM
Project Description:
Contact: Lindsay Oiffer

ALSE Project Information

Project ID: 10297
Contact: Kieran Tordoff
Submission ID(s): L2756004

Final Package Review by:
Date Reviewed: 14/8/2024

ALS Life Sciences
1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 1: PROJECT NARRATIVE

ALSE Project Information

Project ID: 10297
Contact: KTORDOFF
Submission ID(s): L2756004

Client Project Information

Project ID: 15867-503 SOIL & VEGETATION MONITORING PRO(
Project Description:
Contact: Lindsay Oiffer

Analytical Method: PCDD/F by EPA 1613B via Isotope Dilution

ALS Sample ID	Client Sample Descriptions	Matrix	Date Sampled	Date Received	Date Extracted	Date Analyzed
L2756004-1	15867240527001	Moss	27-May-24	31-May-24	15-Jul-24	24-Jul-24
WG3789826-6	Duplicate	QC	n/a	n/a	15-Jul-24	24-Jul-24
L2756004-11	15867240528007	Moss	27-May-24	31-May-24	15-Jul-24	24-Jul-24
L2756004-31	15867240528017	Moss	27-May-24	31-May-24	15-Jul-24	24-Jul-24
L2756004-45	15867240529024	Moss	27-May-24	31-May-24	15-Jul-24	24-Jul-24
L2756004-49	15867240529026	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
L2756004-51	15867240529028	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
L2756004-53	15867240529029	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
L2756004-63	15867240530034	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
L2756004-65	15867240530035	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
L2756004-67	15867240530036	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
L2756004-69	15867240530037	Moss	27-May-24	31-May-24	15-Jul-24	25-Jul-24
WG3789826-1	Method Blank	QC	n/a	n/a	15-Jul-24	24-Jul-24
WG3789826-2	Laboratory Control Sample	QC	n/a	n/a	15-Jul-24	24-Jul-24
WG3789826-4	Matrix Spike	QC	n/a	n/a	15-Jul-24	24-Jul-24
WG3789826-5	Matrix Spike Duplicate	QC	n/a	n/a	15-Jul-24	24-Jul-24

Comments and Notes:

a) Sample Integrity:

b) Instrumental Analysis:

Sample "15867240529029" (lab ID L2756004-53): The recovery of 13C-1234789-HpCDF Extraction Standard was below the method acceptance limit. Associated native results (including Estimated Detection Limits) are inherently recovery corrected by Isotope Dilution so no impact to overall data quality is expected.

The mid-run Continuing Calibration Verification (CCV) filename 7-240724B15: The response of 13C-1234789-HpCDF Extraction Standard was marginally below the method acceptance limit. The native (corrected for response by Isotope Dilution calculation) was in control so no impact to overall data quality is expected.

I certify that this data package is in compliance with the terms and condition of the contract , both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this data package (hardcopy and/or electronic version) has been authorized by the Laboratory Manager or their designee, as verified by the following signature.

Bradley Reimer, GC/MS Laboratory Senior Technical Specialist

14/8/2024
Date

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 2: DATA SUMMARY REPORT

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6
Phone: 905-331-3111, FAX: 905-331-4567

Certificate of Analysis

ALS Project Contact:	Kieran Tordoff	**Client Name:**	Matrix Solutions Inc.
ALS Project ID:	10297	**Client Address:**	600 - 214 - 11 Ave SW
ALS WO#:	L2756004		Calgary, AB
Date of Report	14-Aug-24		T2R 0K1
Date of Sample Receipt	31-May-24	**Client Contact:**	Lindsay Oiffer
		Client Project ID:	15867-503 SOIL & VEGETATION MONITORING PROGRAM

COMMENTS: **PCDD/F by EPA 1613B via Isotope Dilution**

Sample "15867240529029" (lab ID L2756004-53): The recovery of 13C-1234789-HpCDF Extraction Standard was below the method acceptance limit. Associated native results (including Estimated Detection Limits) are inherently recovery corrected by Isotope Dilution so no impact to overall data quality is expected.

The mid-run Continuing Calibration Verification (CCV) filename 7-240724B15: The response of 13C-1234789-HpCDF Extraction Standard was marginally below the method acceptance limit. The native (corrected for response by Isotope Dilution calculation) was in control so no impact to overall data quality is expected.

Certified by:

Bradley Reimer
GC/MS Laboratory Senior Technical Specialist

Results in this certificate relate only to the samples as submitted to the laboratory.
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A L S L i f e S c i e n c e s

Sample Analysis Summary Report

Sample Name	1586724052700 1	Duplicate	1586724052800 7	1586724052801 7	1586724052902 4	1586724052902 6
ALS Sample ID	L2756004-1	WG3789826-6	L2756004-11	L2756004-31	L2756004-45	L2756004-49
Sample Size	10.39	10.20	10.15	10.20	10.08	10.38
Sample size units	g	g	g	g	g	g
Percent Moisture	n/a	n/a	n/a	n/a	n/a	n/a
Sample Matrix	Moss	QC	Moss	Moss	Moss	Moss
Sampling Date	27-May-24	n/a	27-May-24	27-May-24	27-May-24	27-May-24
Extraction Date	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24
Target Analytes	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
2,3,7,8-TCDD	<0.13	<0.17	<0.18	<0.14	<0.24	<0.19
1,2,3,7,8-PeCDD	<0.14	<0.17	0.145	<0.12	<0.24	<0.59
1,2,3,4,7,8-HxCDD	<0.20	<0.18	<0.16	<0.19	<0.33	0.543
1,2,3,6,7,8-HxCDD	<0.21	<0.18	<0.16	<0.18	<0.35	<1.2
1,2,3,7,8,9-HxCDD	<0.20	<0.18	<0.16	<0.18	<0.33	<0.76
1,2,3,4,6,7,8-HpCDD	<1.4	1.93	<0.86	2.10	<3.8	17.6
OCDD	12.1	9.35	3.64	<6.8	15.3	68.1
2,3,7,8-TCDF	<0.18	<0.21	<0.25	<1.8	<2.1	10.3
1,2,3,7,8-PeCDF	<0.098	<0.12	<0.12	<0.41	0.653	<1.9
2,3,4,7,8-PeCDF	<0.075	<0.098	<0.16	<0.88	<0.68	4.38
1,2,3,4,7,8-HxCDF	<0.10	<0.12	<0.086	<0.31	<0.34	2.24
1,2,3,6,7,8-HxCDF	<0.11	<0.15	<0.091	0.317	<0.39	<1.4
2,3,4,6,7,8-HxCDF	<0.11	<0.15	<0.10	<0.35	<0.44	<1.6
1,2,3,7,8,9-HxCDF	<0.16	<0.21	<0.13	<0.22	<0.60	<0.53
1,2,3,4,6,7,8-HpCDF	<0.20	<0.21	0.268	1.40	<1.2	8.86
1,2,3,4,7,8,9-HpCDF	<0.23	<0.24	<0.23	<0.28	<0.78	1.26
OCDF	<0.50	<0.47	0.327	1.42	<0.95	9.83
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	57	61	72	67	54	69
13C12-1,2,3,7,8-PeCDD	57	67	80	75	49	64
13C12-1,2,3,4,7,8-HxCDD	61	64	71	75	60	73
13C12-1,2,3,6,7,8-HxCDD	63	66	76	76	57	82
13C12-1,2,3,4,6,7,8-HpCDD	49	56	60	64	38	58
13C12-OCDD	40	51	52	59	30	49
13C12-2,3,7,8-TCDF	54	59	69	66	54	71
13C12-1,2,3,7,8-PeCDF	45	56	61	62	44	55
13C12-2,3,4,7,8-PeCDF	52	62	74	69	45	63
13C12-1,2,3,4,7,8-HxCDF	64	69	80	84	67	90
13C12-1,2,3,6,7,8-HxCDF	62	64	76	77	60	80
13C12-2,3,4,6,7,8-HxCDF	59	59	67	71	52	70
13C12-1,2,3,7,8,9-HxCDF	56	55	66	70	49	69
13C12-1,2,3,4,6,7,8-HpCDF	50	54	59	65	41	58
13C12-1,2,3,4,7,8,9-HpCDF	38	44	48	52	29	40
Cleanup Standard						
37Cl4-2,3,7,8-TCDD (Cleanup)	59	74	75	70	62	75
Homologue Group Totals	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
Total-TCDD	<0.13	<0.17	<0.18	0.794	<0.24	<0.19
Total-PeCDD	<0.14	<0.17	0.145	0.278	<0.24	2.42
Total-HxCDD	<0.21	0.220	0.450	2.41	1.19	11.9
Total-HpCDD	<0.34	1.93	<0.24	5.06	<0.67	36.5
Total-TCDF	<0.18	<0.21	<0.20	10.6	1.98	30.2
Total-PeCDF	<0.098	<0.12	0.416	0.476	0.653	16.7
Total-HxCDF	<0.16	<0.21	0.178	0.402	<0.60	11.0
Total-HpCDF	<0.23	<0.24	0.268	1.40	<0.78	12.4
Toxic Equivalency - (WHO 2005)						
Lower Bound PCDD/F TEQ (WHO 2005)	0.00363	0.0221	0.149	0.0671	0.0242	2.92
Mid Point PCDD/F TEQ (WHO 2005)	0.232	0.281	0.368	0.761	0.871	4.21
Upper Bound PCDD/F TEQ (WHO 2005)	0.445	0.538	0.505	0.931	1.25	4.31

A L S L i f e S c i e n c e s

Sample Analysis Summary Report

Sample Name	15867240529028	15867240529029	15867240530034	15867240530035	15867240530036	15867240530037
ALS Sample ID	L2756004-51	L2756004-53	L2756004-63	L2756004-65	L2756004-67	L2756004-69
Sample Size	10.40	10.28	10.08	10.04	10.40	10.22
Sample size units	g	g	g	g	g	g
Percent Moisture	n/a	n/a	n/a	n/a	n/a	n/a
Sample Matrix	Moss	Moss	Moss	Moss	Moss	Moss
Sampling Date	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24
Extraction Date	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24
Target Analytes	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
2,3,7,8-TCDD	<0.17	0.190	<0.095	<0.16	<0.16	<0.18
1,2,3,7,8-PeCDD	<0.33	<0.47	<0.23	<0.16	<0.14	<0.21
1,2,3,4,7,8-HxCDD	0.500	<0.66	<0.32	<0.16	<0.14	<0.18
1,2,3,6,7,8-HxCDD	1.87	1.82	<0.35	<0.55	<0.13	<0.18
1,2,3,7,8,9-HxCDD	1.10	<1.3	<0.31	<0.22	<0.13	<0.18
1,2,3,4,6,7,8-HpCDD	15.7	24.2	<2.8	4.48	0.837	<0.68
OCDD	50.9	92.7	16.1	16.1	5.12	6.42
2,3,7,8-TCDF	4.54	5.52	<0.23	<1.0	<0.15	<0.15
1,2,3,7,8-PeCDF	1.71	<1.9	<0.12	<0.37	<0.099	<0.13
2,3,4,7,8-PeCDF	2.91	3.46	<0.19	<0.56	<0.075	<0.11
1,2,3,4,7,8-HxCDF	2.25	2.32	<0.23	<0.57	<0.067	<0.073
1,2,3,6,7,8-HxCDF	1.70	2.16	<0.18	<0.41	<0.076	<0.079
2,3,4,6,7,8-HxCDF	<2.1	3.22	<0.41	<0.75	<0.089	<0.087
1,2,3,7,8,9-HxCDF	<0.49	<0.70	<0.16	<0.30	<0.12	<0.11
1,2,3,4,6,7,8-HpCDF	9.50	<11	1.30	2.80	<0.23	<0.18
1,2,3,4,7,8,9-HpCDF	<0.98	<2.1	0.395	0.575	<0.38	<0.34
OCDF	6.24	<6.6	<1.3	2.19	<0.40	<0.42
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	76	57	113	68	87	61
13C12-1,2,3,7,8-PeCDD	79	32	87	81	78	65
13C12-1,2,3,4,7,8-HxCDD	78	65	71	68	95	67
13C12-1,2,3,6,7,8-HxCDD	78	68	76	74	95	67
13C12-1,2,3,4,6,7,8-HpCDD	61	38	54	53	69	53
13C12-OCDD	56	35	47	44	57	46
13C12-2,3,7,8-TCDF	73	62	69	66	86	61
13C12-1,2,3,7,8-PeCDF	65	30	101	63	68	54
13C12-2,3,4,7,8-PeCDF	74	28	78	76	79	62
13C12-1,2,3,4,7,8-HxCDF	86	69	82	88	117	75
13C12-1,2,3,6,7,8-HxCDF	77	67	75	76	101	66
13C12-2,3,4,6,7,8-HxCDF	74	59	68	66	92	62
13C12-1,2,3,7,8,9-HxCDF	69	51	71	63	86	63
13C12-1,2,3,4,6,7,8-HpCDF	62	42	56	50	69	53
13C12-1,2,3,4,7,8,9-HpCDF	49	8	42	41	51	40
Cleanup Standard						
37Cl4-2,3,7,8-TCDD (Cleanup)	76	63	127	79	79	68
Homologue Group Totals	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
Total-TCDD	<0.17	0.190	<0.095	0.207	<0.16	<0.18
Total-PeCDD	0.586	3.37	0.519	0.241	<0.14	<0.21
Total-HxCDD	11.7	16.2	1.11	4.13	0.491	<0.18
Total-HpCDD	32.7	55.0	3.84	9.40	0.837	<0.32
Total-TCDF	17.5	15.4	0.442	2.11	<0.15	<0.15
Total-PeCDF	18.7	23.5	0.562	2.90	<0.099	<0.13
Total-HxCDF	10.7	19.9	0.690	2.14	<0.12	<0.11
Total-HpCDF	9.50	4.44	1.70	4.11	<0.38	<0.34
Toxic Equivalency - (WHO 2005)						
Lower Bound PCDD/F TEQ (WHO 2005)	2.39	3.00	0.0218	0.0840	0.00991	0.00193
Mid Point PCDD/F TEQ (WHO 2005)	3.05	3.92	0.439	0.804	0.222	0.277
Upper Bound PCDD/F TEQ (WHO 2005)	3.16	3.93	0.655	0.979	0.432	0.545

A L S L i f e S c i e n c e s

Quality Control Summary Report

Sample Name	Method Blank	Laboratory Control Sample	Matrix Spike	Matrix Spike Duplicate
ALS Sample ID	WG3789826-1	WG3789826-2	WG3789826-4	WG3789826-5
Sample Size	10.00	1	1	1
Sample size units	g	n/a	n/a	n/a
Percent Moisture	n/a	n/a	n/a	n/a
Sample Matrix	QC	QC	QC	QC
Sampling Date	n/a	n/a	n/a	n/a
Extraction Date	15-Jul-24	15-Jul-24	15-Jul-24	15-Jul-24
Target Analytes	**pg/g wwt**	**% Rec**	**% Rec**	**% Rec**
2,3,7,8-TCDD	<0.11	85	96	86
1,2,3,7,8-PeCDD	<0.11	95	97	97
1,2,3,4,7,8-HxCDD	<0.18	88	89	88
1,2,3,6,7,8-HxCDD	<0.19	85	86	87
1,2,3,7,8,9-HxCDD	<0.18	91	87	87
1,2,3,4,6,7,8-HpCDD	<0.20	89	91	88
OCDD	<0.44	85	86	86
2,3,7,8-TCDF	<0.13	96	93	90
1,2,3,7,8-PeCDF	<0.11	114	110	113
2,3,4,7,8-PeCDF	<0.084	93	94	95
1,2,3,4,7,8-HxCDF	<0.063	98	96	99
1,2,3,6,7,8-HxCDF	<0.070	99	95	95
2,3,4,6,7,8-HxCDF	<0.11	95	92	95
1,2,3,7,8,9-HxCDF	<0.10	99	99	96
1,2,3,4,6,7,8-HpCDF	<0.11	101	101	103
1,2,3,4,7,8,9-HpCDF	<0.19	111	113	114
OCDF	<0.23	86	87	84
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	82	76	73	70
13C12-1,2,3,7,8-PeCDD	82	73	74	71
13C12-1,2,3,4,7,8-HxCDD	91	82	79	80
13C12-1,2,3,6,7,8-HxCDD	91	84	81	81
13C12-1,2,3,4,6,7,8-HpCDD	71	69	74	61
13C12-OCDD	55	57	73	47
13C12-2,3,7,8-TCDF	81	74	71	69
13C12-1,2,3,7,8-PeCDF	68	61	63	68
13C12-2,3,4,7,8-PeCDF	80	71	68	68
13C12-1,2,3,4,7,8-HxCDF	99	85	80	85
13C12-1,2,3,6,7,8-HxCDF	93	83	79	84
13C12-2,3,4,6,7,8-HxCDF	91	80	75	78
13C12-1,2,3,7,8,9-HxCDF	86	76	75	73
13C12-1,2,3,4,6,7,8-HpCDF	72	67	69	62
13C12-1,2,3,4,7,8,9-HpCDF	56	55	59	46
Cleanup Standard				
37Cl4-2,3,7,8-TCDD (Cleanup)	83	75	86	78
Homologue Group Totals	**pg/g wwt**			
Total-TCDD	<0.11			
Total-PeCDD	<0.11			
Total-HxCDD	<0.19			
Total-HpCDD	<0.20			
Total-TCDF	<0.13			
Total-PeCDF	<0.11			
Total-HxCDF	<0.10			
Total-HpCDF	<0.19			
Toxic Equivalency - (WHO 2005)				
Lower Bound PCDD/F TEQ (WHO 2005)	0.00			
Mid Point PCDD/F TEQ (WHO 2005)	0.184			
Upper Bound PCDD/F TEQ (WHO 2005)	0.356			

A L S L i f e S c i e n c e s

Continuing Calibration Summary Report

Sample Name	CVS	CCV	CCV	CCV
ALS Sample ID	H7-23-RS1-001	HR7-24-CCV-433	HR7-24-CCV-434	HR7-24-CCV-435
Sample Size	1	1	1	1
Sample size units	n/a	n/a	n/a	n/a
Percent Moisture	n/a	n/a	n/a	n/a
Sample Matrix	QC	QC	QC	QC
Sampling Date	n/a	n/a	n/a	n/a
Extraction Date	n/a	n/a	n/a	n/a
Target Analytes	**% Rec**	**% Rec**	**% Rec**	**% Rec**
2,3,7,8-TCDD	88	103	110	103
1,2,3,7,8-PeCDD	102	94	91	95
1,2,3,4,7,8-HxCDD	93	93	92	95
1,2,3,6,7,8-HxCDD	94	99	100	97
1,2,3,7,8,9-HxCDD	97	98	103	100
1,2,3,4,6,7,8-HpCDD	98	96	95	99
OCDD	92	93	95	95
2,3,7,8-TCDF	97	100	98	95
1,2,3,7,8-PeCDF	100	100	98	98
2,3,4,7,8-PeCDF	94	102	100	100
1,2,3,4,7,8-HxCDF	93	105	103	103
1,2,3,6,7,8-HxCDF	96	104	103	103
2,3,4,6,7,8-HxCDF	94	105	105	104
1,2,3,7,8,9-HxCDF	100	105	102	103
1,2,3,4,6,7,8-HpCDF	101	106	103	106
1,2,3,4,7,8,9-HpCDF	99	105	99	104
OCDF	96	93	90	92
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	99	95	94	96
13C12-1,2,3,7,8-PeCDD	105	96	82	108
13C12-1,2,3,4,7,8-HxCDD	100	99	95	93
13C12-1,2,3,6,7,8-HxCDD	99	100	94	95
13C12-1,2,3,4,6,7,8-HpCDD	102	104	76	87
13C12-OCDD	107	118	70	105
13C12-2,3,7,8-TCDF	98	101	103	105
13C12-1,2,3,7,8-PeCDF	104	90	79	99
13C12-2,3,4,7,8-PeCDF	106	89	80	101
13C12-1,2,3,4,7,8-HxCDF	99	91	96	89
13C12-1,2,3,6,7,8-HxCDF	97	96	99	91
13C12-2,3,4,6,7,8-HxCDF	99	93	93	91
13C12-1,2,3,7,8,9-HxCDF	99	96	95	93
13C12-1,2,3,4,6,7,8-HpCDF	98	98	79	89
13C12-1,2,3,4,7,8,9-HpCDF	99	101	74	92
Cleanup Standard				
37Cl4-2,3,7,8-TCDD (Cleanup)	102	95	95	100

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240527001**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-1	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.29	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B10
Run Date	24-Jul-24 20:06
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL g/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.13	0.13	U			0.97
1,2,3,7,8-PeCDD	1	Notfnd	<0.14	0.14	U			4.9
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.20	0.20	U			4.9
1,2,3,6,7,8-HxCDD	0.1	Notfnd	<0.21	0.21	U			4.9
1,2,3,7,8,9-HxCDD	0.1	Notfnd	<0.20	0.20	U			4.9
1,2,3,4,6,7,8-HpCDD	0.01	36.19	<1.4	0.34	M,J,R	1.4		4.9
OCDD	0.0003	39.05	12.1	0.46	M			9.7
2,3,7,8-TCDF	0.1	27.88	<0.18	0.18	M,U	0.072		0.97
1,2,3,7,8-PeCDF	0.03	30.76	<0.098	0.098	M,U	0.062		4.9
2,3,4,7,8-PeCDF	0.3	31.38	<0.075	0.075	M,U	0.066		4.9
1,2,3,4,7,8-HxCDF	0.1	33.12	<0.10	0.10	M,U			4.9
1,2,3,6,7,8-HxCDF	0.1	Notfnd	<0.11	0.11	U			4.9
2,3,4,6,7,8-HxCDF	0.1	Notfnd	<0.11	0.11	U			4.9
1,2,3,7,8,9-HxCDF	0.1	Notfnd	<0.16	0.16	U			4.9
1,2,3,4,6,7,8-HpCDF	0.01	35.26	<0.20	0.14	M,J,R	0.20		4.9
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.23	0.23	U			4.9
OCDF	0.0003	39.42	<0.50	0.34	M,J,R	0.50		9.7

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	57	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	57	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	61	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	63	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	49	23-140
13C12-OCDD	4000	39.04	40	17-157
13C12-2,3,7,8-TCDF	2000	27.86	54	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	45	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	52	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	64	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	62	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	59	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	56	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	50	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	38	26-138

Cleanup Standard	**pg**		
13C14-2,3,7,8-TCDD (Cleanup)	40	28.43	59	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**		
Total-TCDD	0	<0.13	0.13	U	0.97
Total-PeCDD	0	<0.14	0.14	U	4.9
Total-HxCDD	0	<0.21	0.21	U	4.9
Total-HpCDD	0	<0.34	0.34	U	4.9
Total-TCDF	0	<0.18	0.18	U	0.97
Total-PeCDF	0	<0.098	0.098	U	4.9
Total-HxCDF	0	<0.16	0.16	U	4.9
Total-HpCDF	0	<0.23	0.23	U	4.9

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.00363
Mid Point PCDD/F TEQ (WHO 2005)	0.232
Upper Bound PCDD/F TEQ (WHO 2005)	0.445

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**Duplicate**	Sampling Date	n/a		
ALS Sample ID	WI1789826-6	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.25	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B11
Run Date	24-Jul-24 20:51
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL g/g wwt**	**Flags**	**EMPC tg/g wwt**	**LQL**
2,3,7,8-TCDD	1	28.42	<0.17	0.17	M,U	0.14	0.98
1,2,3,7,8-PeCDD	1	Notfnd	<0.17	0.17	U		4.9
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.18	0.18	U		4.9
1,2,3,6,7,8-HxCDD	0.1	Notfnd	<0.18	0.18	U		4.9
1,2,3,7,8,9-HxCDD	0.1	Notfnd	<0.18	0.18	U		4.9
1,2,3,4,6,7,8-HpCDD	0.01	36.19	1.93	0.24	J		4.9
OCDD	0.0003	39.05	9.35	1.1	J		9.8
2,3,7,8-TCDF	0.1	27.87	<0.21	0.21	M,U	0.038	0.98
1,2,3,7,8-PeCDF	0.03	30.78	<0.12	0.12	M,U	0.069	4.9
2,3,4,7,8-PeCDF	0.3	Notfnd	<0.098	0.098	U		4.9
1,2,3,4,7,8-HxCDF	0.1	33.11	<0.12	0.12	M,U	0.050	4.9
1,2,3,6,7,8-HxCDF	0.1	Notfnd	<0.15	0.15	U		4.9
2,3,4,6,7,8-HxCDF	0.1	33.61	<0.15	0.15	M,U	0.058	4.9
1,2,3,7,8,9-HxCDF	0.1	34.31	<0.21	0.21	M,U		4.9
1,2,3,4,6,7,8-HpCDF	0.01	35.26	<0.21	0.15	J,R	0.21	4.9
1,2,3,4,7,8,9-HpCDF	0.01	36.85	<0.24	0.24	M,U	0.19	4.9
OCDF	0.0003	39.40	<0.47	0.37	M,J,R	0.47	9.8

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	61	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	67	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	64	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	66	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	56	23-140
13C12-OCDD	4000	39.03	51	17-157
13C12-2,3,7,8-TCDF	2000	27.85	59	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	56	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	62	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	69	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	64	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	59	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	55	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	54	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	44	26-138

Cleanup Standard	**pg**		
13C14-2,3,7,8-TCDD (Cleanup)	40	28.43	74	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**		
Total-TCDD	0	<0.17	0.17	U	0.98
Total-PeCDD	0	<0.17	0.17	U	4.9
Total-HxCDD	1	0.220	0.18		4.9
Total-HpCDD	1	1.93	0.24		4.9
Total-TCDF	0	<0.21	0.21	U	0.98
Total-PeCDF	0	<0.12	0.12	U	4.9
Total-HxCDF	0	<0.21	0.21	U	4.9
Total-HpCDF	0	<0.24	0.24	U	4.9

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0221
Mid Point PCDD/F TEQ (WHO 2005)	0.281
Upper Bound PCDD/F TEQ (WHO 2005)	0.538

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240528007**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-11	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.15	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B12
Run Date	24-Jul-24 21:35
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.18	0.18	U			0.99
1,2,3,7,8-PeCDD	1	31.48	0.145	0.11	M,J			4.9
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.16	0.16	U			4.9
1,2,3,6,7,8-HxCDD	0.1	33.75	<0.16	0.16	M,U	0.12		4.9
1,2,3,7,8,9-HxCDD	0.1	Notfnd	<0.16	0.16	U			4.9
1,2,3,4,6,7,8-HpCDD	0.01	36.19	<0.86	0.24	M,J,R	0.86		4.9
OCDD	0.0003	39.04	3.64	0.38	J			9.9
2,3,7,8-TCDF	0.1	27.89	<0.25	0.20	J,R	0.25		0.99
1,2,3,7,8-PeCDF	0.03	30.77	<0.12	0.12	U	0.16		4.9
2,3,4,7,8-PeCDF	0.3	31.37	<0.16	0.085	M,J,R	0.16		4.9
1,2,3,4,7,8-HxCDF	0.1	33.11	<0.086	0.086	M,U	0.039		4.9
1,2,3,6,7,8-HxCDF	0.1	33.19	<0.091	0.091	M,U	0.071		4.9
2,3,4,6,7,8-HxCDF	0.1	33.64	<0.10	0.10	M,U	0.054		4.9
1,2,3,7,8,9-HxCDF	0.1	Notfnd	<0.13	0.13	U			4.9
1,2,3,4,6,7,8-HpCDF	0.01	35.26	0.268	0.14	M,J			4.9
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.23	0.23	U			4.9
OCDF	0.0003	39.42	0.327	0.20	M,J			9.9

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	72	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	80	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	71	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	76	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	60	23-140
13C12-OCDD	4000	39.03	52	17-157
13C12-2,3,7,8-TCDF	2000	27.86	69	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	61	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	74	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	80	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.19	76	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	67	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	66	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.26	59	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	48	26-138

Cleanup Standard	**pg**		
37Cl4-2,3,7,8-TCDD (Cleanup)	40	28.43	75	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**		
Total-TCDD	0	<0.18	0.18	U	0.99
Total-PeCDD	1	0.145	0.11		4.9
Total-HxCDD	1	0.450	0.16		4.9
Total-HpCDD	0	<0.24	0.24	U	4.9
Total-TCDF	0	<0.20	0.20	U	0.99
Total-PeCDF	2	0.416	0.12		4.9
Total-HxCDF	1	0.178	0.13		4.9
Total-HpCDF	1	0.268	0.23		4.9

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.149
Mid Point PCDD/F TEQ (WHO 2005)	0.368
Upper Bound PCDD/F TEQ (WHO 2005)	0.505

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240528017**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-31	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.20	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B13
Run Date	24-Jul-24 22:19
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.14	0.14	U			0.98
1,2,3,7,8-PeCDD	1	Notfnd	<0.12	0.12	U			4.9
1,2,3,4,7,8-HxCDD	0.1	33.68	<0.19	0.19	M,U	0.091		4.9
1,2,3,6,7,8-HxCDD	0.1	33.73	<0.18	0.18	M,U	0.044		4.9
1,2,3,7,8,9-HxCDD	0.1	33.95	<0.18	0.18	M,U	0.13		4.9
1,2,3,4,6,7,8-HpCDD	0.01	36.19	2.10	0.19	J			4.9
OCDD	0.0003	39.06	<6.8	0.33	M,JR	6.8		9.8
2,3,7,8-TCDF	0.1	27.89	<1.8	0.39	M,R	1.8		0.98
1,2,3,7,8-PeCDF	0.03	30.77	<0.41	0.18	JR	0.41		4.9
2,3,4,7,8-PeCDF	0.3	31.38	<0.88	0.16	M,JR	0.88		4.9
1,2,3,4,7,8-HxCDF	0.1	33.13	<0.31	0.13	JR	0.31		4.9
1,2,3,6,7,8-HxCDF	0.1	33.21	0.317	0.14	J			4.9
2,3,4,6,7,8-HxCDF	0.1	33.63	<0.35	0.15	M,JR	0.35		4.9
1,2,3,7,8,9-HxCDF	0.1	34.33	<0.22	0.22	M,U	0.17		4.9
1,2,3,4,6,7,8-HpCDF	0.01	35.27	1.40	0.18	J			4.9
1,2,3,4,7,8,9-HpCDF	0.01	36.85	<0.28	0.28	M,U	0.22		4.9
OCDF	0.0003	39.42	1.42	0.18	M,J			9.8

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	67 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.48	75 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.67	75 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.74	76 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	64 23-140
13C12-OCDD	4000	39.04	59 17-157
13C12-2,3,7,8-TCDF	2000	27.86	66 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	62 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	69 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.11	84 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.19	77 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.61	71 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	70 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.26	65 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	52 26-138

Cleanup Standard	**pg**		
13C14-2,3,7,8-TCDD (Cleanup)	40	28.43	70 35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**	
Total-TCDD	2	0.794	0.14	0.98
Total-PeCDD	2	0.278	0.12	4.9
Total-HxCDD	3	2.41	0.19	4.9
Total-HpCDD	2	5.06	0.19	4.9
Total-TCDF	5	10.6	0.39	0.98
Total-PeCDF	1	0.476	0.18	4.9
Total-HxCDF	2	0.402	0.22	4.9
Total-HpCDF	1	1.40	0.28	4.9

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0671
Mid Point PCDD/F TEQ (WHO 2005)	0.761
Upper Bound PCDD/F TEQ (WHO 2005)	0.931

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529024**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-45	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.08	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B14
Run Date	24-Jul-24 23:03
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.24	0.24	U			0.99
1,2,3,7,8-PeCDD	1	31.47	<0.24	0.24	M,U			5.0
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.33	0.33	U			5.0
1,2,3,6,7,8-HxCDD	0.1	33.73	<0.35	0.35	M,U	0.21		5.0
1,2,3,7,8,9-HxCDD	0.1	33.93	<0.33	0.33	M,U			5.0
1,2,3,4,6,7,8-HpCDD	0.01	36.20	<3.8	0.67	J,R	3.8		5.0
OCDD	0.0003	39.05	15.3	1.3	M			9.9
2,3,7,8-TCDF	0.1	27.88	<2.1	0.46	R	2.1		0.99
1,2,3,7,8-PeCDF	0.03	30.77	0.653	0.19	M,J			5.0
2,3,4,7,8-PeCDF	0.3	31.38	<0.68	0.16	M,J,R	0.68		5.0
1,2,3,4,7,8-HxCDF	0.1	33.11	<0.34	0.34	U	0.29		5.0
1,2,3,6,7,8-HxCDF	0.1	33.20	<0.39	0.39	U	0.26		5.0
2,3,4,6,7,8-HxCDF	0.1	33.63	<0.44	0.44	U	0.40		5.0
1,2,3,7,8,9-HxCDF	0.1	Notfnd	<0.60	0.60	U			5.0
1,2,3,4,6,7,8-HpCDF	0.01	35.27	<1.2	0.41	M,J,R	1.2		5.0
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.78	0.78	U			5.0
OCDF	0.0003	39.42	<0.95	0.94	M,J,R	0.95		9.9

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	54	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	49	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	60	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	57	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	38	23-140
13C12-OCDD	4000	39.04	30	17-157
13C12-2,3,7,8-TCDF	2000	27.85	54	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	44	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	45	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.11	67	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.19	60	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	52	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	49	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.26	41	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	29	26-138

Cleanup Standard	**pg**		
13C14-2,3,7,8-TCDD (Cleanup)	40	28.43	62	35-197

Homologue Group Totals	**# peaks**	**Conc. pg/g wwt**	**EDL pg/g wwt**		
Total-TCDD	0	<0.24	0.24	U	0.99
Total-PeCDD	0	<0.24	0.24	U	5.0
Total-HxCDD	2	1.19	0.35		5.0
Total-HpCDD	0	<0.67	0.67	U	5.0
Total-TCDF	4	1.98	0.46		0.99
Total-PeCDF	1	0.653	0.19		5.0
Total-HxCDF	0	<0.60	0.60	U	5.0
Total-HpCDF	0	<0.78	0.78	U	5.0

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0242
Mid Point PCDD/F TEQ (WHO 2005)	0.871
Upper Bound PCDD/F TEQ (WHO 2005)	1.25

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529026**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-49	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.38	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724820
Run Date	25-Jul-24 02:06
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.19	0.19	U			0.96
1,2,3,7,8-PeCDD	1	31.48	<0.59	0.43	M,JR		0.59	4.8
1,2,3,4,7,8-HxCDD	0.1	33.66	0.543	0.38	J			4.8
1,2,3,6,7,8-HxCDD	0.1	33.73	<1.2	0.35	M,JR		1.2	4.8
1,2,3,7,8,9-HxCDD	0.1	33.93	<0.76	0.36	JR		0.76	4.8
1,2,3,4,6,7,8-HpCDD	0.01	36.19	17.6	0.68				4.8
OCDD	0.0003	39.04	68.1	0.88	M			9.6
2,3,7,8-TCDF	0.1	27.86	10.3	0.55				0.96
1,2,3,7,8-PeCDF	0.03	30.76	<1.9	0.24	JR		1.9	4.8
2,3,4,7,8-PeCDF	0.3	31.37	4.38	0.19	J			4.8
1,2,3,4,7,8-HxCDF	0.1	33.11	2.24	0.20	J			4.8
1,2,3,6,7,8-HxCDF	0.1	33.20	<1.4	0.25	JR		1.4	4.8
2,3,4,6,7,8-HxCDF	0.1	33.61	<1.6	0.26	M,JR		1.6	4.8
1,2,3,7,8,9-HxCDF	0.1	34.31	<0.53	0.37	JR		0.53	4.8
1,2,3,4,6,7,8-HpCDF	0.01	35.26	8.86	0.39	M			4.8
1,2,3,4,7,8,9-HpCDF	0.01	36.83	1.26	0.72	J			4.8
OCDF	0.0003	39.41	9.83	0.63	M			9.6

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.40	69	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	64	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	73	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	82	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	58	23-140
13C12-OCDD	4000	39.03	49	17-157
13C12-2,3,7,8-TCDF	2000	27.85	71	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.74	55	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	63	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	90	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	80	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	70	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	69	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	58	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	40	26-138

Cleanup Standard	**pg**		
DCl4-2,3,7,8-TCDD (Cleanup)	40	28.43	75	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**		**LQL**
Total-TCDD	0	<0.19	0.19	U	0.96
Total-PeCDD	1	2.42	0.43		4.8
Total-HxCDD	4	11.9	0.38		4.8
Total-HpCDD	2	36.5	0.68		4.8
Total-TCDF	11	30.2	0.55		0.96
Total-PeCDF	4	16.7	0.24		4.8
Total-HxCDF	5	11.0	0.37		4.8
Total-HpCDF	3	12.4	0.72		4.8

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	2.92
Mid Point PCDD/F TEQ (WHO 2005)	4.21
Upper Bound PCDD/F TEQ (WHO 2005)	4.31

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529028**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-51	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.40	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724821
Run Date	25-Jul-24 02:50
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	28.45	<0.17	0.17	M,U		0.12	0.96
1,2,3,7,8-PeCDD	1	31.47	<0.33	0.25	M,J,R		0.33	4.8
1,2,3,4,7,8-HxCDD	0.1	33.67	0.500	0.27	J			4.8
1,2,3,6,7,8-HxCDD	0.1	33.73	1.87	0.27	J			4.8
1,2,3,7,8,9-HxCDD	0.1	33.93	1.10	0.26	J			4.8
1,2,3,4,6,7,8-HpCDD	0.01	36.18	15.7	0.46				4.8
OCDD	0.0003	39.04	50.9	0.53	M			9.6
2,3,7,8-TCDF	0.1	27.88	4.54	0.31				0.96
1,2,3,7,8-PeCDF	0.03	30.76	1.71	0.25	J			4.8
2,3,4,7,8-PeCDF	0.3	31.37	2.91	0.20	J			4.8
1,2,3,4,7,8-HxCDF	0.1	33.11	2.25	0.32	J			4.8
1,2,3,6,7,8-HxCDF	0.1	33.19	1.70	0.33	J			4.8
2,3,4,6,7,8-HxCDF	0.1	33.61	<2.1	0.38	J,R		2.1	4.8
1,2,3,7,8,9-HxCDF	0.1	34.33	<0.49	0.49	U		0.39	4.8
1,2,3,4,6,7,8-HpCDF	0.01	35.25	9.50	0.15				4.8
1,2,3,4,7,8,9-HpCDF	0.01	36.82	<0.98	0.27	J,R		0.98	4.8
OCDF	0.0003	39.42	6.24	0.40	J			9.6

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.40	76	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	79	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.65	78	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	78	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.17	61	23-140
13C12-OCDD	4000	39.03	56	17-157
13C12-2,3,7,8-TCDF	2000	27.85	73	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.74	65	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.36	74	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	86	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	77	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	74	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.29	69	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	62	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	49	26-138

Cleanup Standard	**pg**		
13C14-2,3,7,8-TCDD (Cleanup)	40	28.43	76	35-197

Homologue Group Totals	**# peaks**	**Conc. pg/g wwt**	**EDL pg/g wwt**		
Total-TCDD	0	<0.17	0.17	U	0.96
Total-PeCDD	1	0.586	0.25		4.8
Total-HxCDD	6	11.7	0.27		4.8
Total-HpCDD	2	32.7	0.46		4.8
Total-TCDF	8	17.5	0.31		0.96
Total-PeCDF	8	18.7	0.25		4.8
Total-HxCDF	5	10.7	0.49		4.8
Total-HpCDF	1	9.50	0.27		4.8

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	2.39
Mid Point PCDD/F TEQ (WHO 2005)	3.05
Upper Bound PCDD/F TEQ (WHO 2005)	3.16

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**1586724052902 9**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-53	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.28	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724822
Run Date	25-Jul-24 03:35
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	28.43	0.190	0.16	M,J			0.97
1,2,3,7,8-PeCDD	1	31.48	<0.47	0.24	M,J,R		0.47	4.9
1,2,3,4,7,8-HxCDD	0.1	33.66	<0.86	0.32	J,R		0.66	4.9
1,2,3,6,7,8-HxCDD	0.1	33.73	1.82	0.30	J			4.9
1,2,3,7,8,9-HxCDD	0.1	33.92	<1.3	0.30	J,R		1.3	4.9
1,2,3,4,6,7,8-HpCDD	0.01	36.18	24.2	0.92				4.9
OCDD	0.0003	39.04	92.7	0.63				9.7
2,3,7,8-TCDF	0.1	27.86	5.52	0.13				0.97
1,2,3,7,8-PeCDF	0.03	30.76	<1.9	0.21	J,R		1.9	4.9
2,3,4,7,8-PeCDF	0.3	31.37	3.46	0.21	J			4.9
1,2,3,4,7,8-HxCDF	0.1	33.10	2.32	0.15	J			4.9
1,2,3,6,7,8-HxCDF	0.1	33.19	2.16	0.17	J			4.9
2,3,4,6,7,8-HxCDF	0.1	33.60	3.22	0.18	J			4.9
1,2,3,7,8,9-HxCDF	0.1	34.31	<0.70	0.29	M,J,R		0.70	4.9
1,2,3,4,6,7,8-HpCDF	0.01	35.25	<11	0.27	R		11	4.9
1,2,3,4,7,8,9-HpCDF	0.01	36.84	<2.1	2.1	M,U			4.9
OCDF	0.0003	39.39	<6.6	0.39	J,R		6.6	9.7

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.40	57	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	32	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.65	65	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.72	68	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.17	38	23-140
13C12-OCDD	4000	39.02	35	17-157
13C12-2,3,7,8-TCDF	2000	27.85	62	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.74	30	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.36	28	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.08	69	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	67	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.59	59	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.29	51	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.24	42	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.81	8	26-138

Cleanup Standard	**pg**		
C14-2,3,7,8-TCDD (Cleanup)	40	28.42	63	35-197

Homologue Group Totals	**# peaks**	**Conc. pg/g wwt**	**EDL pg/g wwt**	
Total-TCDD	1	0.190	0.16	0.97
Total-PeCDD	1	3.37	0.24	4.9
Total-HxCDD	4	16.2	0.32	4.9
Total-HpCDD	2	55.0	0.92	4.9
Total-TCDF	9	15.4	0.13	0.97
Total-PeCDF	7	23.5	0.21	4.9
Total-HxCDF	9	19.9	0.29	4.9
Total-HpCDF	3	4.44	2.1	4.9

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	3.00
Mid Point PCDD/F TEQ (WHO 2005)	3.92
Upper Bound PCDD/F TEQ (WHO 2005)	3.93

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**1586724053O034**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-63	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.08	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724823
Run Date	25-Jul-24 04:19
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX\172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL g/g wwt**	**Flags**	**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.095	0.095	U		0.99
1,2,3,7,8-PeCDD	1	31.48	<0.23	0.23	M,U		5.0
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.32	0.32	U		5.0
1,2,3,6,7,8-HxCDD	0.1	33.74	<0.35	0.32	M,J,R	0.35	5.0
1,2,3,7,8,9-HxCDD	0.1	33.95	<0.31	0.31	M,U	0.16	5.0
1,2,3,4,6,7,8-HpCDD	0.01	36.19	<2.8	0.35	J,R	2.8	5.0
OCDD	0.0003	39.06	16.1	0.57			9.9
2,3,7,8-TCDF	0.1	27.86	<0.23	0.23	M,U	0.16	0.99
1,2,3,7,8-PeCDF	0.03	30.76	<0.12	0.12	U	0.083	5.0
2,3,4,7,8-PeCDF	0.3	31.38	<0.19	0.15	J,R	0.19	5.0
1,2,3,4,7,8-HxCDF	0.1	33.11	<0.23	0.10	M,J,R	0.23	5.0
1,2,3,6,7,8-HxCDF	0.1	33.19	<0.18	0.11	M,J,R	0.18	5.0
2,3,4,6,7,8-HxCDF	0.1	33.61	<0.41	0.13	J,R	0.41	5.0
1,2,3,7,8,9-HxCDF	0.1	34.31	<0.16	0.16	M,U	0.12	5.0
1,2,3,4,6,7,8-HpCDF	0.01	35.26	1.30	0.16	M,J		5.0
1,2,3,4,7,8,9-HpCDF	0.01	36.85	0.395	0.30	M,J		5.0
OCDF	0.0003	39.41	<1.3	0.46	M,J,R	1.3	9.9

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	113	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	87	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	71	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	76	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	54	23-140
13C12-OCDD	4000	39.03	47	17-157
13C12-2,3,7,8-TCDF	2000	27.85	69	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	101	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	78	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	82	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	75	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	68	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	71	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	56	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	42	26-138

Cleanup Standard	**pg**		
13C14-2,3,7,8-TCDD (Cleanup)	40	28.43	127	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/s wwt**	**EDL xo/s wwt**		
Total-TCDD	0	<0.095	0.095	U	0.99
Total-PeCDD	2	0.519	0.23		5.0
Total-HxCDD	1	1.11	0.32		5.0
Total-HpCDD	1	3.84	0.35		5.0
Total-TCDF	2	0.442	0.23		0.99
Total-PeCDF	2	0.562	0.15		5.0
Total-HxCDF	1	0.690	0.16		5.0
Total-HpCDF	2	1.70	0.30		5.0

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0218
Mid Point PCDD/F TEQ (WHO 2005)	0.439
Upper Bound PCDD/F TEQ (WHO 2005)	0.655

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530035**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-65	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.04	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724824
Run Date	25-Jul-24 05:03
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. g/g wwt**	**EDL g/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.16	0.16	U			1.0
1,2,3,7,8-PeCDD	1	31.49	<0.16	0.16	M,U		0.11	5.0
1,2,3,4,7,8-HxCDD	0.1	33.67	<0.16	0.13	J,R		0.16	5.0
1,2,3,6,7,8-HxCDD	0.1	33.75	<0.55	0.13	J,R		0.55	5.0
1,2,3,7,8,9-HxCDD	0.1	33.94	<0.22	0.13	M,J,R		0.22	5.0
1,2,3,4,6,7,8-HpCDD	0.01	36.19	4.48	0.39	J			5.0
OCDD	0.0003	39.06	16.1	0.55				10
2,3,7,8-TCDF	0.1	27.89	<1.0	0.22	M,R		1.0	1.0
1,2,3,7,8-PeCDF	0.03	30.77	<0.37	0.15	J,R		0.37	5.0
2,3,4,7,8-PeCDF	0.3	31.38	<0.56	0.12	J,R		0.56	5.0
1,2,3,4,7,8-HxCDF	0.1	33.12	<0.57	0.15	J,R		0.57	5.0
1,2,3,6,7,8-HxCDF	0.1	33.20	<0.41	0.19	J,R		0.41	5.0
2,3,4,6,7,8-HxCDF	0.1	33.63	<0.75	0.21	M,J,R		0.75	5.0
1,2,3,7,8,9-HxCDF	0.1	34.35	<0.30	0.30	M,U		0.19	5.0
1,2,3,4,6,7,8-HpCDF	0.01	35.27	2.80	0.20	M,J			5.0
1,2,3,4,7,8,9-HpCDF	0.01	36.86	0.575	0.31	M,J			5.0
OCDF	0.0003	39.42	2.19	0.27	M,J			10

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	68	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.48	81	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	68	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.74	74	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	53	23-140
13C12-OCDD	4000	39.04	44	17-157
13C12-2,3,7,8-TCDF	2000	27.86	66	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.76	63	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.37	76	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.11	88	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.19	76	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.61	66	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	63	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.26	50	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	41	26-138

Cleanup Standard	**pg**		
3C14-2,3,7,8-TCDD (Cleanup)	40	28.43	79	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**	
Total-TCDD	1	0.207	0.16	1.0
Total-PeCDD	1	0.241	0.16	5.0
Total-HxCDD	3	4.13	0.13	5.0
Total-HpCDD	2	9.40	0.39	5.0
Total-TCDF	4	2.11	0.22	1.0
Total-PeCDF	4	2.90	0.15	5.0
Total-HxCDF	4	2.14	0.30	5.0
Total-HpCDF	3	4.11	0.31	5.0

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0840
Mid Point PCDD/F TEQ (WHO 2005)	0.804
Upper Bound PCDD/F TEQ (WHO 2005)	0.979

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530036**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-67	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.40	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724825
Run Date	25-Jul-24 05:47
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.16	0.16	U			0.96
1,2,3,7,8-PeCDD	1	Notfnd	<0.14	0.14	U			4.8
1,2,3,4,7,8-HxCDD	0.1	33.67	<0.14	0.14	M,U	0.073		4.8
1,2,3,6,7,8-HxCDD	0.1	33.74	<0.13	0.13	M,U	0.10		4.8
1,2,3,7,8,9-HxCDD	0.1	33.93	<0.13	0.13	M,U	0.087		4.8
1,2,3,4,6,7,8-HpCDD	0.01	36.18	0.837	0.35	M,J			4.8
OCDD	0.0003	39.05	5.12	0.60	M,J			9.6
2,3,7,8-TCDF	0.1	Notfnd	<0.15	0.15	U			0.96
1,2,3,7,8-PeCDF	0.03	Notfnd	<0.099	0.099	U			4.8
2,3,4,7,8-PeCDF	0.3	Notfnd	<0.075	0.075	U			4.8
1,2,3,4,7,8-HxCDF	0.1	Notfnd	<0.067	0.067	U			4.8
1,2,3,6,7,8-HxCDF	0.1	Notfnd	<0.076	0.076	U			4.8
2,3,4,6,7,8-HxCDF	0.1	Notfnd	<0.089	0.089	U			4.8
1,2,3,7,8,9-HxCDF	0.1	Notfnd	<0.12	0.12	U			4.8
1,2,3,4,6,7,8-HpCDF	0.01	35.24	<0.23	0.19	J,R	0.23		4.8
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.38	0.38	U			4.8
OCDF	0.0003	Notfnd	<0.40	0.40	U			9.6

Extraction Standards	**pg**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.40	87	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	78	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.65	95	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.72	95	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.17	69	23-140
13C12-OCDD	4000	39.03	57	17-157
13C12-2,3,7,8-TCDF	2000	27.85	86	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.74	68	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.36	79	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	117	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	101	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	92	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.29	86	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	69	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	51	26-138

Cleanup Standard	**pg**			
DCl4-2,3,7,8-TCDD (Cleanup)	40	28.43	79	35-197

Homologue Group Totals	**# peaks**	**Conc. xo/o wwt**	**EDL xo/o wwt**	
Total-TCDD	0	<0.16	0.16	U
Total-PeCDD	0	<0.14	0.14	U
Total-HxCDD	1	0.491	0.14	
Total-HpCDD	1	0.837	0.35	
Total-TCDF	0	<0.15	0.15	U
Total-PeCDF	0	<0.099	0.099	U
Total-HxCDF	0	<0.12	0.12	U
Total-HpCDF	0	<0.38	0.38	U

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.00991
Mid Point PCDD/F TEQ (WHO 2005)	0.222
Upper Bound PCDD/F TEQ (WHO 2005)	0.432

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530037**	Sampling Date	27-May-24		
ALS Sample ID	L2756004-69	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.23	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Moss	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724826
Run Date	25-Jul-24 06:31
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO**	**Rat. Time**	**Conc. pg/g wwt**	**EDL pg/g wwt**	**Flags**		**EMPC pg/g wwt**	**LQL**
2,3,7,8-TCDD	1	Notfnd	<0.18	0.18	U			0.98
1,2,3,7,8-PeCDD	1	Notfnd	<0.21	0.21	U			4.9
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.18	0.18	U			4.9
1,2,3,6,7,8-HxCDD	0.1	Notfnd	<0.18	0.18	U			4.9
1,2,3,7,8,9-HxCDD	0.1	33.94	<0.18	0.18	M,U		0.066	4.9
1,2,3,4,6,7,8-HpCDD	0.01	36.18	<0.68	0.32	J,R		0.68	4.9
OCDD	0.0003	39.04	6.42	0.41	J			9.8
2,3,7,8-TCDF	0.1	27.88	<0.15	0.15	M,U		0.10	0.98
1,2,3,7,8-PeCDF	0.03	30.77	<0.13	0.13	M,U		0.068	4.9
2,3,4,7,8-PeCDF	0.3	Notfnd	<0.11	0.11	U			4.9
1,2,3,4,7,8-HxCDF	0.1	33.10	<0.073	0.073	M,U		0.020	4.9
1,2,3,6,7,8-HxCDF	0.1	33.19	<0.079	0.079	M,U		0.045	4.9
2,3,4,6,7,8-HxCDF	0.1	33.63	<0.087	0.087	M,U		0.062	4.9
1,2,3,7,8,9-HxCDF	0.1	Notfnd	<0.11	0.11	U			4.9
1,2,3,4,6,7,8-HpCDF	0.01	35.25	<0.18	0.18	M,U		0.16	4.9
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.34	0.34	U			4.9
OCDF	0.0003	39.39	<0.42	0.26	M,J,R		0.42	9.8

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.40	61	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	65	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.65	67	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.72	67	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.17	53	23-140
13C12-OCDD	4000	39.03	46	17-157
13C12-2,3,7,8-TCDF	2000	27.85	61	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.74	54	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.36	62	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	75	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	66	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.59	62	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.29	63	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	53	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.81	40	26-138

Cleanup Standard	**pg**		
CI4-2,3,7,8-TCDD (Cleanup)	40	28.42	68	35-197

Homologue Group Totals	**# peaks**	**Conc. xs/a wwt**	**EDL xs/a wwt**		
Total-TCDD	0	<0.18	0.18	U	0.98
Total-PeCDD	0	<0.21	0.21	U	4.9
Total-HxCDD	0	<0.18	0.18	U	4.9
Total-HpCDD	0	<0.32	0.32	U	4.9
Total-TCDF	0	<0.15	0.15	U	0.98
Total-PeCDF	0	<0.13	0.13	U	4.9
Total-HxCDF	0	<0.11	0.11	U	4.9
Total-HpCDF	0	<0.34	0.34	U	4.9

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.00193
Mid Point PCDD/F TEQ (WHO 2005)	0.277
Upper Bound PCDD/F TEQ (WHO 2005)	0.545

EDL	Indicates the Estimated Detection Limit, based on the measured background noise for this target in this sample.
TEF	Indicates the Toxic Equivalency Factor
TEQ	Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration - elevated detection limit due to interference or positive id criterion failure

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 3: METHOD SUMMARY

PCDD/F METHOD SUMMARY
Methods 23/0023A/1613B/8290/TO-9A

Introduction:

This summary is to provide ALSE Burlington PCDD/F method details in order to provide persons reviewing or validating this data package sufficient information to re-construct the sample calculation, data verification and review. It incorporates the analysis of PCDD/F via the following reference methods:

US EPA Office of Water, Method 1613B
US EPA Office of Solid Waste, SW846 Methods 8290A and 0023/8290A
US EPA Office of Research & Development Method TO-9A.
US EPA Office of Air Quality Planning & Standards Method 23.

Any deviations to what is listed herein would be listed in the project narrative.

To avoid the confusion and conflicting nomenclature within the methods, we have defined the labeled standards in terms relating to the time of addition to the sample or extract. Therefore;

The Field or Sampling Standards are added prior to field sampling
The Extraction Standards are added prior to extraction
The Clean-up Standards are added prior to extract clean-up
The Injection Standards are added prior to extract injection.

Calibration Standard Levels:

Six levels of standard are available for calibration as listed in Table 1. The low point (the CS0) is below method requirements and therefore is optional.

Table 1: Calibration Standards

		CS0	CS1	CS2	CS3	CS4	CS5
Natives	2,3,7,8-TCDD	0.1	0.5	2	10	40	200
	2,3,7,8-TCDF	0.1	0.5	2	10	40	200
	1,2,3,7,8-PeCDD	0.5	2.5	10	50	200	1000
	1,2,3,7,8-PeCDF	0.5	2.5	10	50	200	1000
	2,3,4,7,8-PeCDF	0.5	2.5	10	50	200	1000
	1,2,3,4,7,8-HxCDD	0.5	2.5	10	50	200	1000
	1,2,3,6,7,8-HxCDD	0.5	2.5	10	50	200	1000
	1,2,3,7,8,9-HxCDD	0.5	2.5	10	50	200	1000
	1,2,3,4,7,8-HxCDF	0.5	2.5	10	50	200	1000
	1,2,3,6,7,8-HxCDF	0.5	2.5	10	50	200	1000
	1,2,3,7,8,9-HxCDF	0.5	2.5	10	50	200	1000
	2,3,4,6,7,8-HxCDF	0.5	2.5	10	50	200	1000
	1,2,3,4,6,7,8-HpCDD	0.5	2.5	10	50	200	1000
	1,2,3,4,6,7,8-HpCDF	0.5	2.5	10	50	200	1000
	1,2,3,4,7,8,9-HpCDF	0.5	2.5	10	50	200	1000
	OCDD	1	5	20	100	400	2000
	OCDF	1	5	20	100	400	2000
Labeled	2,3,7,8-TCDD-$^{13}C_{12}$	100	100	100	100	100	100
	2,3,7,8-TCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100	100
	2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	100	100	100	100	100
	OCDD-$^{13}C_{12}$	200	200	200	200	200	200
	2,3,7,8-TCDD-$^{37}Cl_4$	0.1	0.5	2	10	40	200
Injection	1,2,3,4-TCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	100	100	100	100	100	100

Calibration Control Limits

The initial and continuing calibration control limits for all methods are presented in Table 2 below. For the calibration CS1 and for each calibration verification CS3, the signal to noise ratio for each quantification ion labelled and non-labelled analytes must be greater than or equal to 10:1

Table 2: Calibration Control Limits

	1613B		M23 & TO-9A		8290A	
	Initial Cal.	Cal. Ver.	Initial Cal.	Cal. Ver.	Initial Cal.	Cal. Ver.
	%RSD	ng/mL	%RSD	% Diff	%RSD	% Diff
Natives						
2,3,7,8-TCDD	20	7.8-12.9	25	25	20	20*
2,3,7,8-TCDF	20	8.4-12.0	25	25	20	20*
1,2,3,7,8-PeCDD	20	39-65	25	25	20	20*
1,2,3,7,8-PeCDF	20	41-60	25	25	20	20*
2,3,4,7,8-PeCDF	20	41-61	25	25	20	20*
1,2,3,4,7,8-HxCDD	20	39-64	25	25	20	20*
1,2,3,6,7,8-HxCDD	20	39-64	25	25	20	20*
1,2,3,7,8,9-HxCDD	35	41-61	25	25	20	20*
1,2,3,4,7,8-HxCDF	20	45-56	25	25	20	20*
1,2,3,6,7,8-HxCDF	20	44-57	25	25	20	20*
1,2,3,7,8,9-HxCDF	20	45-56	25	25	20	20*
2,3,4,6,7,8-HxCDF	20	44-57	25	25	20	20*
1,2,3,4,6,7,8-HpCDD	20	43-58	25	25	20	20*
1,2,3,4,6,7,8-HpCDF	20	45-55	25	25	20	20*
1,2,3,4,7,8,9-HpCDF	20	43-58	25	25	20	20*
OCDD	20	79-126	25	25	20	20*
OCDF	35	63-159	30	30	20	20*
Labels						
2,3,7,8-TCDD-$^{13}C_{12}$	35	82-121	25	25	30	30**
2,3,7,8-TCDF-$^{13}C_{12}$	35	71-140	30	30	30	30**
1,2,3,7,8-PeCDD-$^{13}C_{12}$	35	62-160	30	30	30	30**
1,2,3,7,8-PeCDF-$^{13}C_{12}$	35	76-130	30	30	30	30**
2,3,4,7,8-PeCDF-$^{13}C_{12}$	35	77-130	25	25	30	30**
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	35	85-117	25	25	30	30**
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	35	85-118	25	25	30	30**
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	35	76-131	25	25	30	30**
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	35	70-143	30	30	30	30**
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	35	74-135	-	-	-	-
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	35	73-137	30	30	30	30**
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	35	72-138	30	30	30	30**
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	35	78-129	30	30	30	30**
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	35	77-129	25	25	30	30**
OCDD-$^{13}C_{12}$	35	96-415	30	30	30	30**
2,3,7,8-TCDD-$^{37}Cl_4$	35	7.9-12.7	25	25	30	30**

* 25% is allowed for a post-run verification but when the value is above 20%, then the analyte quantification must be as per 8290A Section 8.3.2.4 and corrective action is required before more samples can be analyzed.
**35% is allowed for a post-run verification but when the value is above 30%, then the analyte quantification must be as per 8290A Section 8.3.2.4 and corrective action is required before more samples can be analyzed.

LCS Criteria:

The laboratory control sample (LCS) or the On-Going Precision and Accuracy (OPR) recovery criteria are listed in Table 3

Table 3: Acceptance Criteria for IPR and OPR[a]

	Test Conc.	IPR		OPR
		s[b]	X[c]	
	ng/L	ng/L	ng/L	ng/L
Natives				
2,3,7,8-TCDD	10	2.8	8.3-12.9	6.7-15.8
2,3,7,8-TCDF	10	2	8.7-13.7	7.5-15.8
1,2,3,7,8-PeCDD	50	7.5	38-66	35-71
1,2,3,7,8-PeCDF	50	7.5	43-62	40-67
2,3,4,7,8-PeCDF	50	8.6	36-75	34-80
1,2,3,4,7,8-HxCDD	50	9.4	39-76	35-82
1,2,3,6,7,8-HxCDD	50	7.7	42-62	38-67
1,2,3,7,8,9-HxCDD	50	11.1	37-71	32-81
1,2,3,4,7,8-HxCDF	50	8.7	41-59	36-67
1,2,3,6,7,8-HxCDF	50	6.7	46-60	42-65
1,2,3,7,8,9-HxCDF	50	6.4	42-61	39-65
2,3,4,6,7,8-HxCDF	50	7.4	37-74	35-78
1,2,3,4,6,7,8-HpCDD	50	7.7	38-65	35-70
1,2,3,4,6,7,8-HpCDF	50	6.3	45-56	41-61
1,2,3,4,7,8,9-HpCDF	50	8.1	43-63	39-69
OCDD	100	19	89-127	78-144
OCDF	100	27	74-146	63-170
Labels				
2,3,7,8-TCDD-$^{13}C_{12}$	100	37	28-134	20-175
2,3,7,8-TCDF-$^{13}C_{12}$	100	35	31-113	22-152
1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	39	27-184	21-227
1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	34	27-156	21-192
2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	38	16-297	13-328
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	41	29-147	21-193
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	38	34-122	25-163
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	43	27-152	19-202
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	35	30-122	21-159
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	40	24-157	17-205
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	37	29-136	22-176
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	35	34-129	26-166
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	41	32-110	21-158
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	40	28-141	20-186
OCDD-$^{13}C_{12}$	200	95	41-276	26-397
2,3,7,8-TCDD-$^{37}Cl_4$	10	3.6	3.9-15.4	3.1-19.1

[a] Assuming a final volume of 20uL
[b] s = standard deviation
[c] X = Average Concentration

Extraction/Clean-up & Sampling Standard Recovery Limts:

Table 4: Extraction, Clean-up, Injection & Sampling Standard Recovery Limits

	1613B or 8290A (non Stack)		M23 or 0023A/8290A or TO-9A	
	(%Rec.)	Ref.	(%Rec.)	Ref.
Extraction Standard				
2,3,7,8-TCDD-$^{13}C_{12}$	25-164	a	40-130	b
2,3,7,8-TCDF-$^{13}C_{12}$	24-169	a	40-130	b
1,2,3,7,8-PeCDD-$^{13}C_{12}$	25-181	a	40-130	b
1,2,3,7,8-PeCDF-$^{13}C_{12}$	24-185	a	40-130	b
2,3,4,7,8-PeCDF-$^{13}C_{12}$	21-178	a	-	
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	32-141	a	-	
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	28-130	a	40-130	b
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	26-152	a	-	
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	26-123	a	40-130	b
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	29-147	a	-	
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	28-136	a	40-130	c,d
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	23-140	a	25-130	b
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	28-143	a	25-130	b
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	26-138	a	-	
OCDD-$^{13}C_{12}$	17-157	a	25-130	b
Clean-up Standard				
2,3,7,8-TCDD-$^{37}Cl_4$	35-197	a	-	
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	-		40-130	b
Injection Standard				
1,2,3,4-TCDD-$^{13}C_{12}$	30-300	d	30-300	d
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	30-300	d	30-300	d
Sampling Standard				
2,3,7,8-TCDD-$^{37}Cl_4$	-		70-130	b
2,3,4,7,8-PeCDF-$^{13}C_{12}$	-		70-130	b
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	-		70-130	b
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	-		70-130	b
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	-		70-130	b

References & Notes

[a] from OW method 1613B

[b] from OAQPS method 23

[c] this extraction standard is not required in methods 23 and 0023A/8290A

[d] ALS In-house criteria

Reporting Limits:

Unless indicated in the otherwise, the PCDD/F data is reported down to 2.5:1 signal to noise for each isomer grouping for each extract injection. This is consistent to SW846 8290 defined protocols (i.e. EDL or Estimated Detection Limit) and is commonly applied throughout the industry to all the HRMS PCDD/F methods applicable to this method summary.

Method Blank:

The method blank levels must be below the response to the low calibration standard, CS0 or CS1, whichever low calibration point is being applied to the project.

MS/MSD:

The % relative difference between the MS and MSD spike recoveries should be less than or equal to 20%.

Instrument/Run Performance Criteria:

1 Elution windows must be defined by a 'Window Performance Mix' at the beginning of each 12-hour run sequence
2 GC performance criteria of 25% maximum valley between 2,3,7,8-TCDD and it's neared eluting isomers (DB5) or 2,3,7,8-TCDF and it's nearest eluting isomers (DB225).
3 At the beginning of and just following the end of each 12 hour run sequence, the instrument must be checked to demonstrate a resolution of 10.000 for each quantification window.
4 For method 1613B, the relative retention times (RRT) of the compounds in the daily CS3 calibration verification must fall into the ranges presented in Table 4.
5 For all calibrations, QC samples and field samples, the absolute retention time (RT) for 1,2,3,4-TCDD-13C12 must be >25.0 min on a DB5 column and >15.0 min on a DB225 column.
6 The RT in the daily CS3 verification standards must be within 15 seconds of the CS3 in the initial calibration run.
7 The maximum time between scans within a descriptor is 1 second.
8 Lock mass deviations to the average response must be less than or equal 20%.

Laboratory Duplicates:

The % relative difference between duplicates should be less than or equal to 25% but only where the response is greater than the low calibration standard.

Analyte Identification Criteria:

1 Ion ratio must be within 15% of theoretical or within 10% of the most recent CS3.
2 The retention time (RT) of the peak maxima for each pair of quantification ions must be no more than 2 seconds (i.e. 2 scans) difference.
3 The retention time (RT) of the peak maxima of all 2,3,7,8- substituted native analytes must be within -1 to +3 seconds of the RT of corresponding $^{13}C_{12}$-labelled isomer of that injection run.
4 For those native analytes without a corresponding labelled isomer, the relative retention time (RRT) must be within 0.005 of the relative retention time observed in the daily CS3 run.
5 When there is a significant PCDPE interference observed, then a peak in the PCDF channel is not confirmed to be PCDF. [Significant PCDPE interference is identified when there is a PCDPE parent ion peak 10% or more of the response of a peak at the same RT (i.e. within 2 seconds) in the corresponding PCDF channel.]
6 For any peak to be identified as a positive PCDD/F response, that peak must be within the retention time windows defined by the daily analysis of Window Performance Mixture.

Table 4: Quantitation References and Method 1613B RT References and RRT

Analyte	Stack/Ambient Quantitation Reference	Method 1613B RT Reference Solids/ Waters Quantitation Reference	Method 1613B RRT
Compounds using 1,2,3,4-TCDD-$^{13}C_{12}$ as injection standard			
2,3,7,8-TCDF	2,3,7,8-TCDF-$^{13}C_{12}$	2,3,7,8-TCDF-$^{13}C_{12}$	0.999-1.003
2,3,7,8-TCDD	2,3,7,8-TCDD-$^{13}C_{12}$	2,3,7,8-TCDD-$^{13}C_{12}$	0.999-1.002
1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDF-$^{13}C_{12}$	1,2,3,7,8-PeCDF-$^{13}C_{12}$	0.999-1.002
2,3,4,7,8-PeCDF	1,2,3,7,8-PeCDF-$^{13}C_{12}$	2,3,4,7,8-PeCDF-$^{13}C_{12}$	0.999-1.002
1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDD-$^{13}C_{12}$	1,2,3,7,8-PeCDD-$^{13}C_{12}$	0.999-1.002
2,3,7,8-TCDF-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	0.923-1.103
2,3,7,8-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	0.976-1.043
2,3,7,8-TCDD-$^{37}Cl_4$	2,3,7,8-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	0.989-1.052
1,2,3,7,8-PeCDF-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1.000-1.425
2,3,4,7,8-PeCDF-$^{13}C_{12}$	1,2,3,7,8-PeCDF-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1.011-1.526
1,2,3,7,8-PeCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1.000-1.567
Compounds using 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$ as injection standard			
1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	0.997-1.005
1,2,3,7,8,9-HxCDF	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	0.999-1.001
2,3,4,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	0.999-1.001
1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	0.998-1.004
1,2,3,7,8,9-HxCDD[a]	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	[a]	1.000-1.019
1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	0.999-1.001
OCDF	OCDD-$^{13}C_{12}$	OCDD-$^{13}C_{12}$	0.999-1.008
OCDD	OCDD-$^{13}C_{12}$	OCDD-$^{13}C_{12}$	0.999-1.001
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.944-0.970
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.949-0.975
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.977-1.047
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.959-1.021
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.977-1.000
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.981-1.003
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.043-1.085
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.057-1.151
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.086-1.110
OCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.032-1.311

[a] For solids/waters via 1612B, 1,2,3,7,8,9-HXCDD is quantified against the average responses of 1,2,3,4,7,8-HxCDD-$^{13}C_{12}$ and 1,2,3,6,7,8-HxCDD-$^{13}C_{12}$ while 1,2,3,6,7,8-HxCDD-$^{13}C_{12}$ is the RT reference.

Table 5: HRMS Instrumental Descriptor Parameters

Descriptor	Exact M/Z	M/Z Type	Elemental Composition	Substance	Type	Theoretical Ion Ratio	Ion Ratio QC Limits Upper	Lower
1	303.9016	M	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O$	TCDF	Native	0.77	0.65	0.89
	305.8987	M+2	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O$	TCDF	Native			
	315.9419	M	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O$	TCDF	^{13}C	0.77	0.65	0.89
	317.9389	M+2	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O$	TCDF	^{13}C			
	316.9824	Lock	$^{12}C_{9}{}^{19}F_{11}$	PFK	Lock			
	319.8965	M	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O_{2}$	TCDD	Native	0.77	0.65	0.89
	321.8936	M+2	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O_{2}$	TCDD	Native			
	327.8847	M+8	$^{12}C_{12}{}^{1}H_{4}{}^{37}Cl_{4}{}^{16}O_{2}$	TCDD	^{37}Cl			
	331.9368	M	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O_{2}$	TCDD	^{13}C	0.77	0.65	0.89
	333.9339	M+2	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O_{2}$	TCDD	^{13}C			
	339.8597	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	Native	1.55	1.32	1.78
	341.8568	M+4	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	Native			
	351.9	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	^{13}C	1.55	1.32	1.78
	353.897	M+4	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	^{13}C			
	375.8364	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O$	HxCDPE	Cl-DPE			
	409.7974	M+4	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{6}{}^{37}Cl{}^{16}O$	HpCDPE	Cl-DPE			
2	339.8597	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	Native	1.55	1.32	1.78
	341.8568	M+4	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	Native			
	351.9	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	^{13}C	1.55	1.32	1.78
	353.897	M+4	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	^{13}C			
	353.8576	M	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{5}{}^{16}O_{2}$	PeCDD	Native	0.63	0.54	0.72
	355.8546	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O_{2}$	PeCDD	Native			
	366.9792	Lock	$^{12}C_{10}{}^{19}F_{13}$	PFK	Lock			
	365.8978	M	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{5}{}^{16}O_{2}$	PeCDD	^{13}C	0.63	0.54	0.72
	367.8949	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O_{2}$	PeCDD	^{13}C			
	409.7974	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{6}{}^{37}Cl{}^{16}O$	HpCDPE	Cl-DPE			
3	373.8207	M+2	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O$	HxCDF	Native	1.24	1.05	1.43
	375.8178	M+4	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O$	HxCDF	Native			
	380.976	Lock	$^{12}C_{9}{}^{19}F_{13}$	PFK	Lock			
	383.8639	M	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O$	HxCDF	^{13}C	0.51	0.43	0.59
	385.861	M+2	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O$	HxCDF	^{13}C			
	389.8156	M+2	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O_{2}$	HxCDD	Native	1.24	1.05	1.43
	391.8127	M+4	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O_{2}$	HxCDD	Native			
	401.8559	M+2	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O_{2}$	HxCDD	^{13}C	1.24	1.05	1.43
	403.853	M+4	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O_{2}$	HxCDD	^{13}C			
	445.7555	M+4	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{6}{}^{37}Cl_{2}{}^{16}O$	OCDPE	Cl-DPE			
4	409.7789	M+4	$^{12}C_{12}{}^{1}H{}^{35}Cl_{5}{}^{37}Cl_{2}{}^{16}O$	HpCDF	Native	1.88	1.60	2.16
	411.7759	M+6	$^{12}C_{12}{}^{1}H{}^{35}Cl_{4}{}^{37}Cl_{3}{}^{16}O$	HpCDF	Native			
	417.8253	M	$^{13}C_{12}{}^{1}H{}^{35}Cl_{7}{}^{16}O$	HpCDF	^{13}C	0.44	0.37	0.51
	419.822	M+2	$^{13}C_{12}{}^{1}H{}^{35}Cl_{6}{}^{37}Cl{}^{16}O$	HpCDF	^{13}C			
	423.7767	M+2	$^{12}C_{12}{}^{1}H{}^{35}Cl_{6}{}^{37}Cl{}^{16}O_{2}$	HpCDD	Native	1.04	0.88	1.20
	425.7737	M+4	$^{12}C_{12}{}^{1}H{}^{35}Cl_{5}{}^{37}Cl_{2}{}^{16}O_{2}$	HpCDD	Native			
	430.9728	Lock	$^{12}C_{9}{}^{19}F_{17}$	PFK	Lock			
	435.8169	M+2	$^{13}C_{12}{}^{1}H{}^{35}Cl_{6}{}^{37}Cl{}^{16}O_{2}$	HpCDD	^{13}C	1.04	0.88	1.20
	437.814	M+4	$^{13}C_{12}{}^{1}H{}^{35}Cl_{5}{}^{37}Cl_{2}{}^{16}O_{2}$	HpCDD	^{13}C			
	479.7165	M+4	$^{12}C_{12}{}^{1}H{}^{35}Cl_{7}{}^{37}Cl_{2}{}^{16}O$	NCDPE	Cl-DPE			
5	441.7428	M+2	$^{12}C_{12}{}^{35}Cl_{7}{}^{37}Cl{}^{16}O$	OCDF	Native	0.89	0.76	1.02
	443.7399	M+4	$^{12}C_{12}{}^{35}Cl_{6}{}^{37}Cl2{}^{16}O$	OCDF	Native			
	454.9728	Lock	$^{12}C_{11}{}^{19}F_{17}$	PFK	Lock			
	457.7377	M+2	$^{13}C_{12}{}^{35}Cl_{7}{}^{37}Cl{}^{16}O_{2}$	OCDD	Native	0.89	0.76	1.02
	459.7348	M+4	$^{13}C_{12}{}^{35}Cl_{6}{}^{37}Cl_{2}{}^{16}O_{2}$	OCDD	Native			
	469.778	M+2	$^{13}C_{12}{}^{35}Cl_{7}{}^{37}Cl{}^{16}O_{2}$	OCDD	^{13}C	0.89	0.76	1.02
	471.775	M+4	$^{13}C_{12}{}^{35}Cl_{6}{}^{37}Cl_{2}{}^{16}O_{2}$	OCDD	^{13}C			
	513.6775	M+4	$^{12}C_{12}{}^{35}Cl_{8}{}^{37}Cl_{2}{}^{16}O$	DCDPE	Cl-DPE			

Data Calculations:

a) Analyte Concentrations:

The relative response factor of each target relative to the standard against which it is to be calculated is determined using the area responses of both quantification ions via equation 9.1.
In cases where a native target is calculated against an exact labelled analogue, the quantification will be considered to be by isotope dilution. In other cases, the quantification will be considered to be by internal standard.

$$RRF = \frac{(A1_t + A2_t)\ C_s}{(A1_s + A2_s)\ C_t} \qquad \text{Equ. 9.1}$$

Where,
$A1_t + A$: The areas of the two quantification ions for the target analyte
$A1_s + A2_s$ = The areas of the two quantification ions for the labelled compound against which the target analyte will be calculated.
C_t = The concentration in the calibration standard of the target analyte.
C_s = The concentration in the calibration standard of the labelled compound against which the target will be calculated.

For all analytes to be quantified and from the initial calibration series of standard injections, a table of RRFs is prepared. The relative standard deviation (%RSD, or the coefficient of variance) is checked to confirm that appropriate method criteria has been met as listed in Table 3. The average of the five or six levels of for each analyte, RRF_{av} is applied for quantification of samples according to Equations 9.2 and 9.3 below.

$$\text{Amount in sample (pg)} = \frac{(A1_n + A2_n)\ Q_l}{(A1_l + A2_l)\ (RRF_{av})} \qquad \text{Equ. 9.2}$$

$$\text{Concentration in sample (pg/g or pg/l)} = \frac{(A1_n + A2_n)\ Q_l}{(A1_l + A2_l)\ (RRF_{av})\ (W_s)} \qquad \text{Equ. 9.3}$$

Where,
Q_l = The amount (pg) of labelled compound added to the sample
W_s = The weight (g) or volume (l) of sample

b) Extraction, Clean-up, and Sampling Standard Recovery Calculation:

The extraction, clean-up, and sampling standard recoveries are determined by Equation 9.4 below.

% Recovery = (Amount in sample)/(Amount added to sample) X 100 Equ. 9.4

c) Estimated Detection Limit

$$EDL = \frac{2.5 \times H_x \times Q_{es}}{H_{es} \times W \times RFF_{av}} \qquad \text{Equ. 9.5}$$

Where,

EDL = estimated detection limit for homologous 2,3,7,8-Substituted PCDD/Fs

H_x = sum of the height of the noise level for each quantification ions for the unlabelled PCDD/Fs.

H_{es} = Sum of the heights of responses of both quantification ions for the labelled extraction standard.

W = weight of volume of sample

RRF_{av} = average relative response factor

Q_{es} = Amount of extraction standard added

Chromatogram Annotation Codes

All manually integrated peaks are expanded and reprinted with the following annotations:

* Analyst Initials	AA
* Date	YYMMDD
* Integration code	CC
The Syntax is:	Example:
AAYYMMDDCC	SK111220MB

Code	Mnemonic	Description
MB	Manual Baseline	The peak was manually integrated because the initial baseline was determined incorrectly by the software
MS	Manual Split	The peak was manually integrated because the peak was incorrectly or not split by the software
MJ/MC	Manual Join/Manual Combine	The peak was manually integrated because the peak was split by the software and the peak should be integrated as a single peak
MA	Manual Add	The peak was manually integrated because the signal:noise ratio was judged to be >2.5
MD	Manual Delete	The peak was excluded because the signal:noise ratio was judged to be <2.5
MX	Manual Exclude	The peak was excluded due to an interference
NH	Noise Height	The noise height for detection limit calculation was manually defined, over-riding the software chosen value
MT	Manual Time	The peak retention time was manually chosen

The following explanatory annotation codes may appear on the chromatograms of peaks that have been reviewed:

Code	Mnemonic	Description
+	Detected Peak	A peak was detected at this mass and retention time that was above 2.5:1 signal to noise
<	Below Detection Limit	The signal at this mass and retention time was below 2.5:1 signal to noise
EMPC	Estimated Maximum Possible Concentration	The signal at this mass and retention time is an interference such that the target compound could not be confirmed
X-RT	Not Detected due to Retention Time non-conformance	The signal at this retention time could not be used to positively identify the target compound because of retention time non-conformance (apex of quantification and confirmation ions do not maximize within the same two seconds, or the retention time of the peak does not fall within the expected range with respect to its labeled analogue)
X-LOC	Not Detected due to interference from a higher level of chlorination	The signal at this retention time is attributable to a fragment from a co-eluting compound at a higher level of chlorination, and cannot be used to positively identify the target. The result is expressed as an Estimated Maximum Possible Concentration (EMPC)
X-DPE	Not Detected due to diphenyl ether interference	The signal at this retention time is attributable to interference from a chlorinated diphenyl ether, and cannot be used to positively identify the target. The result is expressed as an Estimated Maximum Possible Concentration (EMPC)
X-IF	Not Detected due to interference	The signal at this retention time is attributable to a co-eluting interference, and cannot be used to positively identify the target. The result is expressed as an Estimated Maximum Possible Concentration (EMPC)

Deviations from the Primary Reference Methods:

The following changes and clarifications apply:

1) The calibration standards as listed in Table 2 are applied appropriately to all of the reference methods listed above. Such an application of one standard calibration series to all of these methods is within the scope of each and every one of the methods. The calibration standard set CS1 through CS5 is consistent with the standards concentration listing in method 1613B Table 4. The CS0 extends the calibration range below what is required by all of the methods. Table 4 defines the use of each of the labelled standards relative to each of the methods.

a. Method 1613B lists a larger suite of labelled extraction standards than does method 8290A. Additional labelled extraction standards have been added into the 8290A analysis to enhance the method and the data quality. These additions to the method constitute performance based enhancements and are within the scope of SW846 Method 8290A.

b. The levels presented in the calibration table of method 8290A are recommended values only. Changes to these concentrations, especially to expand the range, are within the scope of the method. Therefore application of the 1613B calibration standards to method 8290A is compliant with the scope of the method.

c. TO-9A is also a performance based method. It specifically states that different extraction standards and different concentrations of standards from those listed in TO-9A Table 3 is acceptable (see Section 6.8 of reference method).

d. Although OAQPS reference method 23 is not a performance based method, application of the 1613B standards has been defined as within the scope of the method. (see Appendix B)

2) Chlorinated Diphenyl Ether interferences: Both methods 1613B and 8290A indicate that any instrumental response showing the presence of a chlorinated diphenyl ether response and that coelutes with a PCDF represents an interference on that analyte (see Sections 18.3 and 7.8.4.4 respectively). This apparent zero tolerance does not take into account that the response in the diphenyl ether channel may be trivial relative to the corresponding PCDF. For this 'Standard Method', we have defined a chlorinated diphenyl ether interference as the presence of a **significant** response within the chlorinated diphenyl ether channel (rather than zero response) and defined significant as a response equal to or greater than 10% of the peak response in the PCDF channel.

3) When the primary analysis is performed using a DB5MS GC column, 2,3,7,8-TCDF can be resolved to a valley height of 60% from the closest-eluting isomers for this column, providing good quantification of this target without further confirmation. Confirmation of 2,3,7,8-TCDF concentrations above the level of the lowest calibration standard are performed on a second column on a contract basis when requested. Confirmation of additional 2,3,7,8-substituted PCDD/F isomers is also available when requested.

4) Although not categorically stated in all associated PCDD/F methods, we maintain that each and every individual clean-up procedure is, by definition, performance-based and optional. There is not an expectation within the industry to follow exactly the descriptions of clean-ups in reference methods. Adaptations which meet or exceed the required performance criteria are therefore acceptable within the scope of each reference method. The reference method descriptions are intended as guidelines or templates available to help the laboratory to define effective in-house clean-up methods. The objective within the laboratory is to provide quality clean extracts to the instrument for analysis. Each individual clean-up is part of the laboratory's 'arsenal' in order to achieve this objective.

5) There are differences within the individual reference methods as to the precise spiking protocols for adding extraction standards and native spikes (for LCS, MS and MSD). To ensure consistency within the laboratory between PCDD/F and related methods, the PCDD/F preparative 'Specific Method' requires solids (including stack and ambient sorbants/filters) to be spiked in the soxhlet thimble from a nonane solution and waters are spiked before filtering from an acetone solution. This is consistent with the 8290A approach.

6) Sub-sampling of solids and pre-extraction processing is done in a manner that minimizes potential for cross-contamination. These processes are designed around SW846 protocols rather than 1613B protocols. Solids are sub-sampled directly from the bottle as submitted to the laboratory wherever practical. If the sample is submitted such that homogenization in the bottle is impractical (eg. the bottle is too full or lumps cannot be broken down), then transferring the sample to a tray or another bottle maybe in order.

7) The concentrations of labelled and native spiking solutions are not consistent with those listed in all of the reference methods. These concentrations are prepared at levels convenient and expedient for accurate laboratory processing.

8) With respect to extraction labelled recovery limits on non-stack samples analyzed via method 8290A, we limit the data upon the more laboratory performance limits defined in method 1613B rather than the relatively arbitrary limits of 35-140% suggested in Section 8.4 of method 8290A.

9) With respect to ions monitored for P5CDD and H7CDF:

a. The 358 ion has a potential for interference from PCB (hexachlorobiphenyls) dependent upon levels of PCBs in the sample and the instrument tuning. Of particular concern is PCB-169 which on a DB5MS column elutes very close to 1,2,3,7,8-P5CDD and which is not removed for the PCDD/F extracts even by carbon clean-up. To eliminate the potential of such interferences from PCB on the 358 mass, we choose to monitor the alternate ion pair of 354 and 356.

b. Similarly, the 408 ion of native H7CDF is prone to problematic interferences arising from 13C-labeled heptachlorinated biphenyls. To eliminate the potential of such interferences from PCB on the 358 mass, we choose to monitor the alternate ion pair of 410 and 412.

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 4: CALIBRATION DATA

Including:

for Multi-Point Calibration(s)

- Multi-Point Calibration Tables
- Individual Quantitation Reports

for Continuing Calibration(s)

- Individual Quantitation Reports

A L S L i f e S c i e n c e s

Calibration Summary Report

Calibration Level	Filename	Run Date
CS-1	7-240618B03	############
CS-2	7-240618B06	############
CS-3	7-240618B09	############
CS-4	7-240618B08	############
CS-5	7-240618B07	############

Approved: *M.Elchawiche*
--e-signature--
25-Jul-2024

Relative Response Factors

Target Analytes	CS-1	CS-2	CS-3	CS-4	CS-5	Mean	% RSD
2,3,7,8-TCDD	0.781	0.791	0.828	0.802	0.815	0.803	2%
1,2,3,7,8-PeCDD	1.009	0.949	1.019	1.024	1.038	1.008	3%
1,2,3,4,7,8-HxCDD	1.166	1.100	1.168	1.176	1.159	1.154	3%
1,2,3,6,7,8-HxCDD	1.163	1.120	1.177	1.172	1.158	1.158	2%
1,2,3,7,8,9-HxCDD	1.156	1.160	1.202	1.201	1.181	1.180	2%
1,2,3,4,6,7,8-HpCDD	1.193	1.151	1.238	1.229	1.213	1.205	3%
OCDD	1.180	1.039	1.233	1.181	1.077	1.142	7%
2,3,7,8-TCDF	1.227	1.216	1.288	1.260	1.296	1.257	3%
1,2,3,7,8-PeCDF	1.109	1.087	1.133	1.132	1.165	1.125	3%
2,3,4,7,8-PeCDF	1.315	1.301	1.407	1.399	1.439	1.372	4%
1,2,3,4,7,8-HxCDF	1.385	1.343	1.459	1.453	1.454	1.419	4%
1,2,3,6,7,8-HxCDF	1.354	1.323	1.366	1.395	1.373	1.362	2%
2,3,4,6,7,8-HxCDF	1.337	1.339	1.449	1.452	1.444	1.404	4%
1,2,3,7,8,9-HxCDF	1.322	1.310	1.354	1.362	1.350	1.340	2%
1,2,3,4,6,7,8-HpCDF	0.980	0.965	1.056	1.050	1.041	1.018	4%
1,2,3,4,7,8,9-HpCDF	1.010	0.978	1.078	1.053	1.032	1.030	4%
OCDF	1.792	1.697	1.965	1.951	1.843	1.850	6%
Extraction Standards							
13C12-2,3,7,8-TCDD	1.222	1.255	1.217	1.237	1.271	1.240	2%
13C12-1,2,3,7,8-PeCDD	0.743	0.762	0.723	0.780	0.811	0.764	4%
13C12-1,2,3,4,7,8-HxCDD	0.944	0.947	0.953	0.932	0.952	0.946	1%
13C12-1,2,3,6,7,8-HxCDD	0.985	0.970	0.962	0.989	0.982	0.978	1%
13C12-1,2,3,4,6,7,8-HpCDD	0.799	0.836	0.796	0.799	0.792	0.804	2%
13C12-OCDD	0.557	0.663	0.594	0.609	0.637	0.612	7%
13C12-2,3,7,8-TCDF	1.347	1.383	1.379	1.350	1.410	1.374	2%
13C12-1,2,3,7,8-PeCDF	1.398	1.419	1.372	1.465	1.518	1.434	4%
13C12-2,3,4,7,8-PeCDF	1.229	1.255	1.205	1.293	1.316	1.260	4%
13C12-1,2,3,4,7,8-HxCDF	1.679	1.633	1.606	1.553	1.565	1.607	3%
13C12-1,2,3,6,7,8-HxCDF	1.749	1.692	1.748	1.667	1.714	1.714	2%
13C12-2,3,4,6,7,8-HxCDF	1.616	1.625	1.611	1.574	1.593	1.604	1%
13C12-1,2,3,7,8,9-HxCDF	1.436	1.438	1.439	1.414	1.418	1.429	1%
13C12-1,2,3,4,6,7,8-HpCDF	1.400	1.432	1.418	1.386	1.379	1.403	2%
13C12-1,2,3,4,7,8,9-HpCDF	1.163	1.227	1.156	1.166	1.173	1.177	2%
Cleanup Standard							
37Cl4-2,3,7,8-TCDD (Cleanup)	1.024	0.996	1.065	1.067	1.117	1.054	4%

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H7-23-CS1-001**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
7-240618B03	HRMS-7	ZB-DX1172891	18-Jun-2024 15:11		--e-signature--
					25-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.45	0.85	0.50	1.36E+04	0.781
1,2,3,7,8-PeCDD	31.48	1.57	2.50	5.35E+04	1.009
1,2,3,4,7,8-HxCDD	33.65	1.22	2.50	5.44E+04	1.166
1,2,3,6,7,8-HxCDD	33.73	1.25	2.50	5.67E+04	1.163
1,2,3,7,8,9-HxCDD	33.92	1.33	2.50	5.51E+04	1.156
1,2,3,4,6,7,8-HpCDD	36.17	1.05	2.50	4.72E+04	1.193
OCDD	39.04	0.92	5.00	6.50E+04	1.180
2,3,7,8-TCDF	27.89	0.81	0.50	2.36E+04	1.227
1,2,3,7,8-PeCDF	30.76	1.56	2.50	1.11E+05	1.109
2,3,4,7,8-PeCDF	31.37	1.61	2.50	1.15E+05	1.315
1,2,3,4,7,8-HxCDF	33.08	1.30	2.50	1.15E+05	1.385
1,2,3,6,7,8-HxCDF	33.18	1.27	2.50	1.17E+05	1.354
2,3,4,6,7,8-HxCDF	33.6	1.32	2.50	1.07E+05	1.337
1,2,3,7,8,9-HxCDF	34.29	1.29	2.50	9.38E+04	1.322
1,2,3,4,6,7,8-HpCDF	35.24	1.92	2.50	6.78E+04	0.980
1,2,3,4,7,8,9-HpCDF	36.82	1.93	2.50	5.81E+04	1.010
OCDF	39.4	0.96	5.00	9.87E+04	1.792
Extraction Standards					
13C12-2,3,7,8-TCDD	28.42	0.74	100.00	3.49E+06	1.222
13C12-1,2,3,7,8-PeCDD	31.47	1.61	100.00	2.12E+06	0.743
13C12-1,2,3,4,7,8-HxCDD	33.64	1.25	100.00	1.87E+06	0.944
13C12-1,2,3,6,7,8-HxCDD	33.72	1.26	100.00	1.95E+06	0.985
13C12-1,2,3,4,6,7,8-HpCDD	36.16	1.09	100.00	1.58E+06	0.799
13C12-OCDD	39.02	0.91	200.00	2.20E+06	0.557
13C12-2,3,7,8-TCDF	27.87	0.80	100.00	3.84E+06	1.347
13C12-1,2,3,7,8-PeCDF	30.74	1.67	100.00	3.99E+06	1.398
13C12-2,3,4,7,8-PeCDF	31.36	1.67	100.00	3.51E+06	1.229
13C12-1,2,3,4,7,8-HxCDF	33.07	0.54	100.00	3.32E+06	1.679
13C12-1,2,3,6,7,8-HxCDF	33.17	0.54	100.00	3.46E+06	1.749
13C12-2,3,4,6,7,8-HxCDF	33.59	0.56	100.00	3.20E+06	1.616
13C12-1,2,3,7,8,9-HxCDF	34.28	0.55	100.00	2.84E+06	1.436
13C12-1,2,3,4,6,7,8-HpCDF	35.23	0.47	100.00	2.77E+06	1.400
13C12-1,2,3,4,7,8,9-HpCDF	36.81	0.47	100.00	2.30E+06	1.163
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.45		0.50	1.46E+04	1.024
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.78	0.74	100.00	2.85E+06	28544.482
13C12-1,2,3,7,8,9-HxCDD	33.91	1.26	100.00	1.98E+06	19777.217

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H7-23-CS2-001**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
7-240618B06	HRMS-7	ZB-DX1172891	18-Jun-2024 17:24		--e-signature--
					25-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.45	0.84	2.00	5.27E+04	0.791
1,2,3,7,8-PeCDD	31.49	1.51	10.00	1.92E+05	0.949
1,2,3,4,7,8-HxCDD	33.66	1.34	10.00	2.08E+05	1.100
1,2,3,6,7,8-HxCDD	33.74	1.31	10.00	2.17E+05	1.120
1,2,3,7,8,9-HxCDD	33.93	1.29	10.00	2.22E+05	1.160
1,2,3,4,6,7,8-HpCDD	36.18	1.03	10.00	1.92E+05	1.151
OCDD	39.05	0.89	20.00	2.75E+05	1.039
2,3,7,8-TCDF	27.89	0.83	2.00	8.93E+04	1.216
1,2,3,7,8-PeCDF	30.77	1.62	10.00	4.09E+05	1.087
2,3,4,7,8-PeCDF	31.38	1.64	10.00	4.33E+05	1.301
1,2,3,4,7,8-HxCDF	33.1	1.27	10.00	4.38E+05	1.343
1,2,3,6,7,8-HxCDF	33.19	1.32	10.00	4.46E+05	1.323
2,3,4,6,7,8-HxCDF	33.61	1.26	10.00	4.34E+05	1.339
1,2,3,7,8,9-HxCDF	34.3	1.26	10.00	3.76E+05	1.310
1,2,3,4,6,7,8-HpCDF	35.25	1.82	10.00	2.76E+05	0.965
1,2,3,4,7,8,9-HpCDF	36.83	1.92	10.00	2.39E+05	0.978
OCDF	39.41	0.95	20.00	4.49E+05	1.697
Extraction Standards					
13C12-2,3,7,8-TCDD	28.43	0.75	100.00	3.33E+06	1.255
13C12-1,2,3,7,8-PeCDD	31.48	1.60	100.00	2.02E+06	0.762
13C12-1,2,3,4,7,8-HxCDD	33.65	1.27	100.00	1.89E+06	0.947
13C12-1,2,3,6,7,8-HxCDD	33.73	1.26	100.00	1.94E+06	0.970
13C12-1,2,3,4,6,7,8-HpCDD	36.17	1.09	100.00	1.67E+06	0.836
13C12-OCDD	39.04	0.90	200.00	2.65E+06	0.663
13C12-2,3,7,8-TCDF	27.88	0.81	100.00	3.67E+06	1.383
13C12-1,2,3,7,8-PeCDF	30.76	1.64	100.00	3.77E+06	1.419
13C12-2,3,4,7,8-PeCDF	31.37	1.65	100.00	3.33E+06	1.255
13C12-1,2,3,4,7,8-HxCDF	33.08	0.55	100.00	3.26E+06	1.633
13C12-1,2,3,6,7,8-HxCDF	33.18	0.54	100.00	3.38E+06	1.692
13C12-2,3,4,6,7,8-HxCDF	33.6	0.55	100.00	3.24E+06	1.625
13C12-1,2,3,7,8,9-HxCDF	34.29	0.55	100.00	2.87E+06	1.438
13C12-1,2,3,4,6,7,8-HpCDF	35.24	0.46	100.00	2.86E+06	1.432
13C12-1,2,3,4,7,8,9-HpCDF	36.82	0.47	100.00	2.45E+06	1.227
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.45		2.00	5.29E+04	0.996
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.79	0.75	100.00	2.66E+06	26558.744
13C12-1,2,3,7,8,9-HxCDD	33.92	1.26	100.00	2.00E+06	19951.935

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H7-23-CS3-001**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
7-240618B09	HRMS-7	ZB-DX1172891	18-Jun-2024 19:37		--e-signature--
					25-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.43	0.77	10.00	2.65E+05	0.828
1,2,3,7,8-PeCDD	31.48	1.53	50.00	9.69E+05	1.019
1,2,3,4,7,8-HxCDD	33.65	1.30	50.00	1.04E+06	1.168
1,2,3,6,7,8-HxCDD	33.72	1.30	50.00	1.06E+06	1.177
1,2,3,7,8,9-HxCDD	33.92	1.32	50.00	1.08E+06	1.202
1,2,3,4,6,7,8-HpCDD	36.17	1.10	50.00	9.22E+05	1.238
OCDD	39.04	0.90	100.00	1.37E+06	1.233
2,3,7,8-TCDF	27.89	0.81	10.00	4.68E+05	1.288
1,2,3,7,8-PeCDF	30.76	1.61	50.00	2.05E+06	1.133
2,3,4,7,8-PeCDF	31.37	1.65	50.00	2.23E+06	1.407
1,2,3,4,7,8-HxCDF	33.08	1.31	50.00	2.19E+06	1.459
1,2,3,6,7,8-HxCDF	33.18	1.25	50.00	2.24E+06	1.366
2,3,4,6,7,8-HxCDF	33.6	1.29	50.00	2.19E+06	1.449
1,2,3,7,8,9-HxCDF	34.29	1.29	50.00	1.82E+06	1.354
1,2,3,4,6,7,8-HpCDF	35.24	1.90	50.00	1.40E+06	1.056
1,2,3,4,7,8,9-HpCDF	36.82	1.88	50.00	1.17E+06	1.078
OCDF	39.4	0.94	100.00	2.18E+06	1.965
Extraction Standards					
13C12-2,3,7,8-TCDD	28.42	0.74	100.00	3.20E+06	1.217
13C12-1,2,3,7,8-PeCDD	31.47	1.63	100.00	1.90E+06	0.723
13C12-1,2,3,4,7,8-HxCDD	33.64	1.27	100.00	1.78E+06	0.953
13C12-1,2,3,6,7,8-HxCDD	33.71	1.26	100.00	1.80E+06	0.962
13C12-1,2,3,4,6,7,8-HpCDD	36.16	1.06	100.00	1.49E+06	0.796
13C12-OCDD	39.02	0.91	200.00	2.22E+06	0.594
13C12-2,3,7,8-TCDF	27.87	0.80	100.00	3.63E+06	1.379
13C12-1,2,3,7,8-PeCDF	30.74	1.67	100.00	3.61E+06	1.372
13C12-2,3,4,7,8-PeCDF	31.36	1.64	100.00	3.17E+06	1.205
13C12-1,2,3,4,7,8-HxCDF	33.07	0.56	100.00	3.01E+06	1.606
13C12-1,2,3,6,7,8-HxCDF	33.17	0.56	100.00	3.27E+06	1.748
13C12-2,3,4,6,7,8-HxCDF	33.58	0.56	100.00	3.02E+06	1.611
13C12-1,2,3,7,8,9-HxCDF	34.28	0.55	100.00	2.70E+06	1.439
13C12-1,2,3,4,6,7,8-HpCDF	35.23	0.46	100.00	2.66E+06	1.418
13C12-1,2,3,4,7,8,9-HpCDF	36.81	0.47	100.00	2.16E+06	1.156
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.43		10.00	2.81E+05	1.065
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.78	0.76	100.00	2.63E+06	26329.976
13C12-1,2,3,7,8,9-HxCDD	33.91	1.25	100.00	1.87E+06	18728.431

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H7-23-CS4-001**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
7-240618B08	HRMS-7	ZB-DX1172891	18-Jun-2024 18:52		--e-signature--
					25-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.45	0.78	40.00	9.46E+05	0.802
1,2,3,7,8-PeCDD	31.48	1.57	200.00	3.81E+06	1.024
1,2,3,4,7,8-HxCDD	33.66	1.31	200.00	4.21E+06	1.176
1,2,3,6,7,8-HxCDD	33.73	1.31	200.00	4.44E+06	1.172
1,2,3,7,8,9-HxCDD	33.92	1.30	200.00	4.42E+06	1.201
1,2,3,4,6,7,8-HpCDD	36.18	1.10	200.00	3.77E+06	1.229
OCDD	39.04	0.92	400.00	5.52E+06	1.181
2,3,7,8-TCDF	27.89	0.82	40.00	1.62E+06	1.260
1,2,3,7,8-PeCDF	30.77	1.62	200.00	7.90E+06	1.132
2,3,4,7,8-PeCDF	31.38	1.62	200.00	8.62E+06	1.399
1,2,3,4,7,8-HxCDF	33.1	1.29	200.00	8.65E+06	1.453
1,2,3,6,7,8-HxCDF	33.18	1.28	200.00	8.92E+06	1.395
2,3,4,6,7,8-HxCDF	33.6	1.28	200.00	8.77E+06	1.452
1,2,3,7,8,9-HxCDF	34.3	1.30	200.00	7.38E+06	1.362
1,2,3,4,6,7,8-HpCDF	35.25	1.90	200.00	5.58E+06	1.050
1,2,3,4,7,8,9-HpCDF	36.83	1.91	200.00	4.71E+06	1.053
OCDF	39.41	0.93	400.00	9.12E+06	1.951
Extraction Standards					
13C12-2,3,7,8-TCDD	28.43	0.74	100.00	2.95E+06	1.237
13C12-1,2,3,7,8-PeCDD	31.47	1.62	100.00	1.86E+06	0.780
13C12-1,2,3,4,7,8-HxCDD	33.65	1.26	100.00	1.79E+06	0.932
13C12-1,2,3,6,7,8-HxCDD	33.72	1.27	100.00	1.90E+06	0.989
13C12-1,2,3,4,6,7,8-HpCDD	36.17	1.08	100.00	1.53E+06	0.799
13C12-OCDD	39.03	0.90	200.00	2.34E+06	0.609
13C12-2,3,7,8-TCDF	27.88	0.81	100.00	3.21E+06	1.350
13C12-1,2,3,7,8-PeCDF	30.76	1.69	100.00	3.49E+06	1.465
13C12-2,3,4,7,8-PeCDF	31.37	1.67	100.00	3.08E+06	1.293
13C12-1,2,3,4,7,8-HxCDF	33.08	0.55	100.00	2.98E+06	1.553
13C12-1,2,3,6,7,8-HxCDF	33.17	0.55	100.00	3.20E+06	1.667
13C12-2,3,4,6,7,8-HxCDF	33.59	0.54	100.00	3.02E+06	1.574
13C12-1,2,3,7,8,9-HxCDF	34.29	0.55	100.00	2.71E+06	1.414
13C12-1,2,3,4,6,7,8-HpCDF	35.24	0.46	100.00	2.66E+06	1.386
13C12-1,2,3,4,7,8,9-HpCDF	36.82	0.47	100.00	2.24E+06	1.166
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.45		40.00	1.02E+06	1.067
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.79	0.75	100.00	2.38E+06	23812.871
13C12-1,2,3,7,8,9-HxCDD	33.91	1.25	100.00	1.92E+06	19174.035

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H7-23-CS5-001**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
7-240618B07	HRMS-7	ZB-DX1172891	18-Jun-2024 18:08		--e-signature--
					25-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.45	0.79	200.00	5.64E+06	0.815
1,2,3,7,8-PeCDD	31.49	1.55	1000.00	2.29E+07	1.038
1,2,3,4,7,8-HxCDD	33.66	1.31	1000.00	2.41E+07	1.159
1,2,3,6,7,8-HxCDD	33.74	1.31	1000.00	2.49E+07	1.158
1,2,3,7,8,9-HxCDD	33.93	1.30	1000.00	2.50E+07	1.181
1,2,3,4,6,7,8-HpCDD	36.18	1.11	1000.00	2.10E+07	1.213
OCDD	39.06	0.92	2000.00	3.00E+07	1.077
2,3,7,8-TCDF	27.91	0.82	200.00	9.95E+06	1.296
1,2,3,7,8-PeCDF	30.77	1.62	1000.00	4.82E+07	1.165
2,3,4,7,8-PeCDF	31.38	1.62	1000.00	5.16E+07	1.439
1,2,3,4,7,8-HxCDF	33.11	1.29	1000.00	4.98E+07	1.454
1,2,3,6,7,8-HxCDF	33.19	1.29	1000.00	5.15E+07	1.373
2,3,4,6,7,8-HxCDF	33.61	1.29	1000.00	5.03E+07	1.444
1,2,3,7,8,9-HxCDF	34.3	1.28	1000.00	4.18E+07	1.350
1,2,3,4,6,7,8-HpCDF	35.25	1.92	1000.00	3.14E+07	1.041
1,2,3,4,7,8,9-HpCDF	36.83	1.92	1000.00	2.65E+07	1.032
OCDF	39.42	0.93	2000.00	5.14E+07	1.843
Extraction Standards					
13C12-2,3,7,8-TCDD	28.43	0.74	100.00	3.46E+06	1.271
13C12-1,2,3,7,8-PeCDD	31.48	1.60	100.00	2.21E+06	0.811
13C12-1,2,3,4,7,8-HxCDD	33.66	1.25	100.00	2.08E+06	0.952
13C12-1,2,3,6,7,8-HxCDD	33.73	1.24	100.00	2.15E+06	0.982
13C12-1,2,3,4,6,7,8-HpCDD	36.18	1.08	100.00	1.73E+06	0.792
13C12-OCDD	39.05	0.90	200.00	2.79E+06	0.637
13C12-2,3,7,8-TCDF	27.88	0.80	100.00	3.84E+06	1.410
13C12-1,2,3,7,8-PeCDF	30.76	1.65	100.00	4.13E+06	1.518
13C12-2,3,4,7,8-PeCDF	31.37	1.66	100.00	3.58E+06	1.316
13C12-1,2,3,4,7,8-HxCDF	33.1	0.54	100.00	3.42E+06	1.565
13C12-1,2,3,6,7,8-HxCDF	33.18	0.55	100.00	3.75E+06	1.714
13C12-2,3,4,6,7,8-HxCDF	33.6	0.55	100.00	3.48E+06	1.593
13C12-1,2,3,7,8,9-HxCDF	34.29	0.55	100.00	3.10E+06	1.418
13C12-1,2,3,4,6,7,8-HpCDF	35.24	0.47	100.00	3.02E+06	1.379
13C12-1,2,3,4,7,8,9-HpCDF	36.82	0.46	100.00	2.56E+06	1.173
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.45		200.00	6.09E+06	1.117
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.79	0.76	100.00	2.72E+06	27231.325
13C12-1,2,3,7,8,9-HxCDD	33.92	1.26	100.00	2.19E+06	21869.639

A L S L i f e S c i e n c e s

Continuing Calibration Report

Samole Name	**CVS**	Samolino Date	n/a			
ALS Sample ID	H7-23-RS1-001	Extraction Date	n/a			Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a		M.Elchawiche
Analysis Type	CCV	Percent Moisture	n/a			--e-signature--
Sample Matrix	QC	Split Ratio	1			25-Jul-2024

Run Information	**Run 1**
Filename	7-240618B10
Run Date	18-Jun-24 20:21
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.45	88	78-129	
1,2,3,7,8-PeCDD	50	31.48	102	78-130	
1,2,3,4,7,8-HxCDD	50	33.66	93	78-128	
1,2,3,6,7,8-HxCDD	50	33.73	94	78-128	
1,2,3,7,8,9-HxCDD	50	33.92	97	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.18	98	86-116	
OCDD	100	39.04	92	79-126	
2,3,7,8-TCDF	10	27.89	97	84-120	
1,2,3,7,8-PeCDF	50	30.77	100	82-120	
2,3,4,7,8-PeCDF	50	31.38	94	82-122	
1,2,3,4,7,8-HxCDF	50	33.10	93	90-112	
1,2,3,6,7,8-HxCDF	50	33.18	96	88-114	
2,3,4,6,7,8-HxCDF	50	33.60	94	88-114	
1,2,3,7,8,9-HxCDF	50	34.30	100	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.25	101	90-110	
1,2,3,4,7,8,9-HpCDF	50	36.83	99	86-116	
OCDF	100	39.41	96	63-159	
Extraction Standards	**pg/uL**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	100	28.43	99	82-121	
13C12-1,2,3,7,8-PeCDD	100	31.47	105	82-160	
13C12-1,2,3,4,7,8-HxCDD	100	33.65	100	85-117	
13C12-1,2,3,6,7,8-HxCDD	100	33.72	99	85-118	
13C12-1,2,3,4,6,7,8-HpCDD	100	36.17	102	72-138	
13C12-OCDD	200	39.03	107	48-207	
13C12-2,3,7,8-TCDF	100	27.88	98	71-140	
13C12-1,2,3,7,8-PeCDF	100	30.76	104	76-130	
13C12-2,3,4,7,8-PeCDF	100	31.37	106	77-130	
13C12-1,2,3,4,7,8-HxCDF	100	33.08	99	76-131	
13C12-1,2,3,6,7,8-HxCDF	100	33.17	97	70-143	
13C12-2,3,4,6,7,8-HxCDF	100	33.59	99	73-137	
13C12-1,2,3,7,8,9-HxCDF	100	34.29	99	74-135	
13C12-1,2,3,4,6,7,8-HpCDF	100	35.24	98	78-129	
13C12-1,2,3,4,7,8,9-HpCDF	100	36.82	99	77-129	
Cleanup Standard	**pg/uL**				
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.45	102	31-191	

A L S L i f e S c i e n c e s

Continuing Calibration Report

Samole Name	**CCV**	Samolino Date	n/a			
ALS Sample ID	HR7-24-CCV-433	Extraction Date	n/a			Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a		*M.Elchawiche*
Analysis Type	CCV	Percent Moisture	n/a			--e-signature--
Sample Matrix	QC	Split Ratio	1			25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B01
Run Date	24-Jul-24 13:32
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.45	103	78-129	
1,2,3,7,8-PeCDD	50	31.50	94	78-130	
1,2,3,4,7,8-HxCDD	50	33.68	93	78-128	
1,2,3,6,7,8-HxCDD	50	33.75	99	78-128	
1,2,3,7,8,9-HxCDD	50	33.95	98	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.20	96	86-116	
OCDD	100	39.06	93	79-126	
2,3,7,8-TCDF	10	27.91	100	84-120	
1,2,3,7,8-PeCDF	50	30.78	100	82-120	
2,3,4,7,8-PeCDF	50	31.39	102	82-122	
1,2,3,4,7,8-HxCDF	50	33.12	105	90-112	
1,2,3,6,7,8-HxCDF	50	33.21	104	88-114	
2,3,4,6,7,8-HxCDF	50	33.63	105	88-114	
1,2,3,7,8,9-HxCDF	50	34.33	105	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.27	106	90-110	
1,2,3,4,7,8,9-HpCDF	50	36.84	105	86-116	
OCDF	100	39.42	93	63-159	
Extraction Standards	**pg/uL**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	100	28.43	95	82-121	
13C12-1,2,3,7,8-PeCDD	100	31.49	96	82-160	
13C12-1,2,3,4,7,8-HxCDD	100	33.67	99	85-117	
13C12-1,2,3,6,7,8-HxCDD	100	33.74	100	85-118	
13C12-1,2,3,4,6,7,8-HpCDD	100	36.19	104	72-138	
13C12-OCDD	200	39.05	118	48-207	
13C12-2,3,7,8-TCDF	100	27.88	101	71-140	
13C12-1,2,3,7,8-PeCDF	100	30.77	90	76-130	
13C12-2,3,4,7,8-PeCDF	100	31.38	89	77-130	
13C12-1,2,3,4,7,8-HxCDF	100	33.11	91	76-131	
13C12-1,2,3,6,7,8-HxCDF	100	33.20	96	70-143	
13C12-2,3,4,6,7,8-HxCDF	100	33.61	93	73-137	
13C12-1,2,3,7,8,9-HxCDF	100	34.31	96	74-135	
13C12-1,2,3,4,6,7,8-HpCDF	100	35.26	98	78-129	
13C12-1,2,3,4,7,8,9-HpCDF	100	36.83	101	77-129	
Cleanup Standard	**pg/uL**				
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.45	95	31-191	

A L S L i f e S c i e n c e s

Continuing Calibration Report

Samole Name	**CCV**	Samolino Date	n/a			
ALS Sample ID	HX7-24-CCV-434	Extraction Date	n/a			Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a		M.Elchawiche
Analysis Type	CCV	Percent Moisture	n/a			--e-signature--
Sample Matrix	QC	Split Ratio	1			25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B15
Run Date	24-Jul-24 23:47
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.43	110	78-129	
1,2,3,7,8-PeCDD	50	31.49	91	78-130	
1,2,3,4,7,8-HxCDD	50	33.67	92	78-128	
1,2,3,6,7,8-HxCDD	50	33.74	100	78-128	
1,2,3,7,8,9-HxCDD	50	33.93	103	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.19	95	86-116	
OCDD	100	39.05	95	79-126	
2,3,7,8-TCDF	10	27.88	98	84-120	
1,2,3,7,8-PeCDF	50	30.77	98	82-120	
2,3,4,7,8-PeCDF	50	31.38	100	82-122	
1,2,3,4,7,8-HxCDF	50	33.11	103	90-112	
1,2,3,6,7,8-HxCDF	50	33.20	103	88-114	
2,3,4,6,7,8-HxCDF	50	33.61	105	88-114	
1,2,3,7,8,9-HxCDF	50	34.31	102	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.26	103	90-110	
1,2,3,4,7,8,9-HpCDF	50	36.83	99	86-116	
OCDF	100	39.41	90	63-159	
Extraction Standards	**pg/uL**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	100	28.42	94	82-121	
13C12-1,2,3,7,8-PeCDD	100	31.48	82	82-160	
13C12-1,2,3,4,7,8-HxCDD	100	33.66	95	85-117	
13C12-1,2,3,6,7,8-HxCDD	100	33.73	94	85-118	
13C12-1,2,3,4,6,7,8-HpCDD	100	36.18	76	72-138	
13C12-OCDD	200	39.04	70	48-207	
13C12-2,3,7,8-TCDF	100	27.86	103	71-140	
13C12-1,2,3,7,8-PeCDF	100	30.76	79	76-130	
13C12-2,3,4,7,8-PeCDF	100	31.37	80	77-130	
13C12-1,2,3,4,7,8-HxCDF	100	33.10	96	76-131	
13C12-1,2,3,6,7,8-HxCDF	100	33.19	99	70-143	
13C12-2,3,4,6,7,8-HxCDF	100	33.60	93	73-137	
13C12-1,2,3,7,8,9-HxCDF	100	34.30	95	74-135	
13C12-1,2,3,4,6,7,8-HpCDF	100	35.25	79	78-129	
13C12-1,2,3,4,7,8,9-HpCDF	100	36.83	74	77-129	M
Cleanup Standard	**pg/uL**				
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.43	95	31-191	

M Indicates that a peak has been manually integrated.

A L S L i f e S c i e n c e s

Continuing Calibration Report

Sample Name	**CCV**	Samoline Date	n/a		
ALS Sample ID	HR7-24-CCV-435	Extraction Date	n/a		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	*M.Elchawiche*
Analysis Type	CCV	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	1		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B27
Run Date	25-Jul-24 07:16
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.42	103	78-129	
1,2,3,7,8-PeCDD	50	31.48	95	78-130	
1,2,3,4,7,8-HxCDD	50	33.66	95	78-128	
1,2,3,6,7,8-HxCDD	50	33.73	97	78-128	
1,2,3,7,8,9-HxCDD	50	33.92	100	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.18	99	86-116	
OCDD	100	39.03	95	79-126	
2,3,7,8-TCDF	10	27.86	95	84-120	
1,2,3,7,8-PeCDF	50	30.76	98	82-120	
2,3,4,7,8-PeCDF	50	31.37	100	82-122	
1,2,3,4,7,8-HxCDF	50	33.10	103	90-112	
1,2,3,6,7,8-HxCDF	50	33.19	103	88-114	
2,3,4,6,7,8-HxCDF	50	33.60	104	88-114	
1,2,3,7,8,9-HxCDF	50	34.30	103	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.25	106	90-110	
1,2,3,4,7,8,9-HpCDF	50	36.82	104	86-116	
OCDF	100	39.39	92	63-159	

Extraction Standards	**pg/uL**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	100	28.40	96	82-121
13C12-1,2,3,7,8-PeCDD	100	31.47	108	62-160
13C12-1,2,3,4,7,8-HxCDD	100	33.65	93	85-117
13C12-1,2,3,6,7,8-HxCDD	100	33.72	95	85-118
13C12-1,2,3,4,6,7,8-HpCDD	100	36.17	87	72-138
13C12-OCDD	200	39.02	105	48-207
13C12-2,3,7,8-TCDF	100	27.85	105	71-140
13C12-1,2,3,7,8-PeCDF	100	30.74	99	76-130
13C12-2,3,4,7,8-PeCDF	100	31.36	101	77-130
13C12-1,2,3,4,7,8-HxCDF	100	33.08	89	76-131
13C12-1,2,3,6,7,8-HxCDF	100	33.18	91	70-143
13C12-2,3,4,6,7,8-HxCDF	100	33.59	91	73-137
13C12-1,2,3,7,8,9-HxCDF	100	34.29	93	74-135
13C12-1,2,3,4,6,7,8-HpCDF	100	35.24	89	78-129
13C12-1,2,3,4,7,8,9-HpCDF	100	36.81	92	77-129

Cleanup Standard	**pg/uL**			
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.42	100	31-191

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SVOC DATA PACKAGE

SECTION 5: QC SAMPLE DATA

Including:

- Laboratory Method Blank Analysis Reports
- Laboratory Control Sample Analysis Reports
- Matrix Spike Analysis Reports
- Other QC Sample Analysis Reports (where applicable)

A L S L i f e S c i e n c e s

Laboratory Method Blank Analysis Report

Sample Name	**Method Blank**	Samplino Date	n/a		
ALS Sample ID	WG3788626-1	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	10.00	g	*M.Elchawiche*
Analysis Type	Blank	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B09
Run Date	24-Jul-24 19:22
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.11	0.11	U		1.0
1,2,3,7,8-PeCDD	1	Notfnd	<0.11	0.11	U		5.0
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.18	0.18	U		5.0
1,2,3,6,7,8-HxCDD	0.1	Notfnd	<0.19	0.19	U		5.0
1,2,3,7,8,9-HxCDD	0.1	Notfnd	<0.18	0.18	U		5.0
1,2,3,4,6,7,8-HpCDD	0.01	Notfnd	<0.20	0.20	U		5.0
OCDD	0.0003	39.03	<0.44	0.44	M,U	0.25	10
2,3,7,8-TCDF	0.1	27.85	<0.13	0.13	M,U	0.026	1.0
1,2,3,7,8-PeCDF	0.03	30.77	<0.11	0.11	M,U	0.067	5.0
2,3,4,7,8-PeCDF	0.3	Notfnd	<0.084	0.084	U		5.0
1,2,3,4,7,8-HxCDF	0.1	Notfnd	<0.063	0.063	U		5.0
1,2,3,6,7,8-HxCDF	0.1	Notfnd	<0.070	0.070	U		5.0
2,3,4,6,7,8-HxCDF	0.1	33.61	<0.11	0.071	M,J,R	0.11	5.0
1,2,3,7,8,9-HxCDF	0.1	Notfnd	<0.10	0.10	U		5.0
1,2,3,4,6,7,8-HpCDF	0.01	Notfnd	<0.11	0.11	U		5.0
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.19	0.19	U		5.0
OCDF	0.0003	Notfnd	<0.23	0.23	U		10

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.40	82 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.47	82 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.65	91 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	91 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	71 23-140
13C12-OCDD	4000	39.03	55 17-157
13C12-2,3,7,8-TCDF	2000	27.85	81 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.74	68 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.36	80 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	99 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	93 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	91 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.29	86 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	72 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	56 26-138

Cleanup Standard	**pg**
?C14-2.3.7.8-TCDD (Cleanup)	40 28.43 83 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.11	0.11	U	1.0
Total-PeCDD	0	<0.11	0.11	U	5.0
Total-HxCDD	0	<0.19	0.19	U	5.0
Total-HpCDD	0	<0.20	0.20	U	5.0
Total-TCDF	0	<0.13	0.13	U	1.0
Total-PeCDF	0	<0.11	0.11	U	5.0
Total-HxCDF	0	<0.10	0.10	U	5.0
Total-HpCDF	0	<0.19	0.19	U	5.0

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.00
Mid Point PCDD/F TEQ (WHO 2005)	0.184
Upper Bound PCDD/F TEQ (WHO 2005)	0.356

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Laboratory Control Sample Analysis Report

Sample Name	**Laboratory Control Sample**	Sampling Date	n/a		
ALS Sample ID	WG3788626-2	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	M.Elchaarani
Analysis Type	LCS	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B02
Run Date	24-Jul-24 15:42
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

Target Analytes	pg	Ret. Time	% Rec	Limits	Flags
2,3,7,8-TCDD	200	28.44	85	67-158	
1,2,3,7,8-PeCDD	1000	31.49	95	70-142	
1,2,3,4,7,8-HxCDD	1000	33.67	88	70-164	
1,2,3,6,7,8-HxCDD	1000	33.75	85	76-134	
1,2,3,7,8,9-HxCDD	1000	33.95	91	64-162	
1,2,3,4,6,7,8-HpCDD	1000	36.20	89	70-140	
OCDD	2000	39.05	85	78-144	
2,3,7,8-TCDF	200	27.89	96	75-158	
1,2,3,7,8-PeCDF	1000	30.77	114	80-134	
2,3,4,7,8-PeCDF	1000	31.38	93	68-160	
1,2,3,4,7,8-HxCDF	1000	33.12	98	72-134	
1,2,3,6,7,8-HxCDF	1000	33.20	99	84-130	
2,3,4,6,7,8-HxCDF	1000	33.63	95	70-156	
1,2,3,7,8,9-HxCDF	1000	34.32	99	78-130	
1,2,3,4,6,7,8-HpCDF	1000	35.27	101	82-122	
1,2,3,4,7,8,9-HpCDF	1000	36.84	111	78-138	
OCDF	2000	39.41	86	63-170	
Extraction Standards	**pg**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	2000	28.43	76	20-175	
13C12-1,2,3,7,8-PeCDD	2000	31.48	73	21-227	
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	82	21-193	
13C12-1,2,3,6,7,8-HxCDD	2000	33.74	84	25-163	
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.19	69	26-166	
13C12-OCDD	4000	39.04	57	13-138	
13C12-2,3,7,8-TCDF	2000	27.87	74	22-152	
13C12-1,2,3,7,8-PeCDF	2000	30.76	61	21-192	
13C12-2,3,4,7,8-PeCDF	2000	31.37	71	13-328	
13C12-1,2,3,4,7,8-HxCDF	2000	33.11	85	19-202	
13C12-1,2,3,6,7,8-HxCDF	2000	33.19	83	21-159	
13C12-2,3,4,6,7,8-HxCDF	2000	33.62	80	22-176	
13C12-1,2,3,7,8,9-HxCDF	2000	34.31	76	17-205	
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.27	67	21-158	
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	55	20-186	
Cleanup Standard	**pg**				
37Cl4-2,3,7,8-TCDD (Cleanup)	40	28.44	75	31-191	

A L S L i f e S c i e n c e s

Laboratory Control Sample Analysis Report

Samole Name	**Matrix Soike**	Samolino Date	n/a		
ALS Sample ID	WG3789826-4	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	*M.Ehtiawiche*
Analysis Type	LCS	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B03
Run Date	24-Jul-24 16:26
Rinal Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

	Expected				L2756004-1			Limits	
Target Analytes	**pg**	**Ret. Time**	**pg**	**Flags**	**Ret Time**	**pg**	**Flags**	**% Rec**	**Flags**
2,3,7,8-TCDD	200	28.43	191		Notfnd		U	96	17-158
1,2,3,7,8-PeCDD	1000	31.49	973		Notfnd		U	97	70-142
1,2,3,4,7,8-HxCDD	1000	33.67	886		Notfnd		U	89	70-164
1,2,3,6,7,8-HxCDD	1000	33.74	864		Notfnd		U	86	76-134
1,2,3,7,8,9-HxCDD	1000	33.94	875		Notfnd		U	87	14-162
1,2,3,4,6,7,8-HpCDD	1000	36.19	925		36.19	18.6	M,JR	91	70-140
OCDD	2000	39.05	1842		39.05	124	M	86	78-144
2,3,7,8-TCDF	200	27.89	186		27.88	1.05	M,U	93	75-158
1,2,3,7,8-PeCDF	1000	30.77	1103		30.76	1.29	M,U	110	80-134
2,3,4,7,8-PeCDF	1000	31.38	945		31.38	0.772	M,U	94	68-160
1,2,3,4,7,8-HxCDF	1000	33.12	964		33.12	0.726	M,U	96	72-134
1,2,3,6,7,8-HxCDF	1000	33.20	946		Notfnd		U	95	84-130
2,3,4,6,7,8-HxCDF	1000	33.63	920		Notfnd		U	92	70-156
1,2,3,7,8,9-HxCDF	1000	34.31	986		Notfnd		U	99	78-130
1,2,3,4,6,7,8-HpCDF	1000	35.27	1014		35.26	2.32	M,JR	101	82-122
1,2,3,4,7,8,9-HpCDF	1000	36.84	1130		Notfnd		U	113	78-138
OCDF	2000	39.41	1739		39.42	5.87	M,JR	87	63-170

Extraction Standards	**pg**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	73	20-175
13C12-1,2,3,7,8-PeCDD	2000	31.48	74	21-227
13C12-1,2,3,4,7,8-HxCDD	2000	33.66	79	21-193
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	81	25-163
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	74	26-166
13C12-OCDD	4000	39.04	73	13-138
13C12-2,3,7,8-TCDF	2000	27.86	71	22-152
13C12-1,2,3,7,8-PeCDF	2000	30.76	63	21-192
13C12-2,3,4,7,8-PeCDF	2000	31.37	68	13-328
13C12-1,2,3,4,7,8-HxCDF	2000	33.11	80	19-202
13C12-1,2,3,6,7,8-HxCDF	2000	33.19	79	21-159
13C12-2,3,4,6,7,8-HxCDF	2000	33.61	75	22-176
13C12-1,2,3,7,8,9-HxCDF	2000	34.30	75	17-205
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.26	69	21-158
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.83	59	20-186

Cleanup Standard	**pg**			
37Cl4-2,3,7,8-TCDD (Cleanup)	40	28.43	86	31-191

A L S L i f e S c i e n c e s

Laboratory Control Sample Analysis Report

Samole Name	**Matrix Soike Duolicate**	Samolino Date	n/a		
ALS Sample ID	WG3789826-5	Extraction Date	15-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	*M.Ifuhawiche*
Analysis Type	LCS	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		25-Jul-2024

Run Information	**Run 1**
Filename	7-240724B04
Run Date	24-Jul-24 17:11
Rinal Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-7 ZB-DX1172891

	Expected				L2756004-1			Limits	
Target Analytes	**pg**	**Ret. Time**	**pg**	**Flags**	**Ret Time**	**pg**	**Flags**	**% Rec**	**Flags**
2,3,7,8-TCDD	200	28.43	173	67-158	Notfnd		U	86	17-158
1,2,3,7,8-PeCDD	1000	31.48	973	70-142	Notfnd		U	97	70-142
1,2,3,4,7,8-HxCDD	1000	33.66	881	70-164	Notfnd		U	88	70-164
1,2,3,6,7,8-HxCDD	1000	33.74	867	76-134	Notfnd		U	87	76-134
1,2,3,7,8,9-HxCDD	1000	33.93	868	64-162	Notfnd		U	87	14-162
1,2,3,4,6,7,8-HpCDD	1000	36.19	900	70-140	36.19	18.6	M,JR	88	70-140
OCDD	2000	39.05	1836	78-144	39.05	124	M	86	78-144
2,3,7,8-TCDF	200	27.88	182	75-158	27.88	1.05	M,JJ	90	75-158
1,2,3,7,8-PeCDF	1000	30.76	1130	80-134	30.76	1.29	M,JJ	113	80-134
2,3,4,7,8-PeCDF	1000	31.37	955	68-160	31.38	0.772	M,JJ	95	68-160
1,2,3,4,7,8-HxCDF	1000	33.11	993	72-134	33.12	0.726	M,JJ	99	72-134
1,2,3,6,7,8-HxCDF	1000	33.19	955	84-130	Notfnd		U	95	14-130
2,3,4,6,7,8-HxCDF	1000	33.61	948	70-156	Notfnd		U	95	70-156
1,2,3,7,8,9-HxCDF	1000	34.31	963	78-130	Notfnd		U	96	78-130
1,2,3,4,6,7,8-HpCDF	1000	35.26	1036	82-122	35.26	2.32	M,JR	103	12-122
1,2,3,4,7,8,9-HpCDF	1000	36.83	1137	78-138	Notfnd		U	114	78-138
OCDF	2000	39.41	1685	63-170	39.42	5.87	M,JR	84	13-170

Extraction Standards	**pg**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.42	70	20-175
13C12-1,2,3,7,8-PeCDD	2000	31.47	71	21-227
13C12-1,2,3,4,7,8-HxCDD	2000	33.65	80	21-193
13C12-1,2,3,6,7,8-HxCDD	2000	33.73	81	25-163
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.18	61	26-166
13C12-OCDD	4000	39.03	47	13-138
13C12-2,3,7,8-TCDF	2000	27.85	69	22-152
13C12-1,2,3,7,8-PeCDF	2000	30.74	68	21-192
13C12-2,3,4,7,8-PeCDF	2000	31.37	68	13-328
13C12-1,2,3,4,7,8-HxCDF	2000	33.10	85	19-202
13C12-1,2,3,6,7,8-HxCDF	2000	33.18	84	21-159
13C12-2,3,4,6,7,8-HxCDF	2000	33.60	78	22-176
13C12-1,2,3,7,8,9-HxCDF	2000	34.29	73	17-205
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.25	62	21-158
13C12-1,2,3,4,7,8,9-HpCDF	2000	36.82	46	20-186

Cleanup Standard	**pg**			
37Cl4-2,3,7,8-TCDD (Cleanup)	40	28.43	78	31-191

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 6: INTERNAL RECORDS

Including:

- Prep Logs
- Independent calculation checks
- Others as listed below:

Extraction Workup Sheet

Dx: Tray # 203
PCB: Tray # 303

16

Batch ID:	WG3789826	Analysis:	Plant Tissue - DX/PCB

Prep procedure BU-TM-1110 Overall HR Prep

Analyst:	Kinjal Patel	Date:	15-July-2024

SUBSAMPLING

Sample I.D.	Client I.D.	Rotovap#	Wet Sub-sample (g)
WG3789826-1	Method Blank	9	—
WG3789826-2	Laboratory Control Sample	6	—
WG3789826-3	Extraction and Injection STD.	—	—
L2756004-1	15867240527001	7	10.2912
WG3789826-4	Matrix Spike (L2756004-1)	9	10.0095
WG3789826-5	Matrix Spike Duplicate (WG3789826-4)	6	10.2830
WG3789826-6	Duplicate (L2756004-1)	7	10.2475
L2756004-11	15867240528007	9	10.1519
L2756004-31	15867240528017	7	10.2006
L2756004-45	15867240529024	9	10.0789
L2756004-49	15867240529026	7	10.3834
L2756004-51	15867240529028	6	10.4039
L2756004-53	15867240529029	6	10.2845
L2756004-63	15867240530034	9	10.0771
L2756004-65	15867240530035	6	10.0434
L2756004-67	15867240530036	7	10.3974
L2756004-69	15867240530037	7	10.2804

BATCH TRACKING

	Date/Time/Initials
Subsampling:	15-July-24 KP
Client Labels Checked:	15-July-24 KP
Balance ID:	BAL 3955
Samples Spiked	15-July-24 KP
Soxhlet Start Time:	15-July-24 2:20PM KP
Soxhlets Reflux Properly:	15-July-24 KP
Soxhlet End Time:	16-Jul-24 HR 7:10am
Rotovap Reduction + temp check:	16-Jul-24 HR
Acid Column + temp check:	16-Jul-24 HR
Solvent exchange:	17-July-24 T.P.
Alumina Column + temp check:	17-July-24 T.P.
Split:	17-July-24 T.P.
Carbon column + temp check:	20-July-24 T.P.
Microvial: PCB:	17-July-24 T.P.
Microvial: DX:	20-July-24 T.P.

Batch ID:	WG3789826

DX Extraction Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-1	20	✓
WG3789826-2	20	✓
WG3789826-3	20	✓
L2756004-1	20	✓
WG3789826-4	20	✓
WG3789826-5	20	✓
WG3789826-6	20	✓
L2756004-11	20	✓
L2756004-31	20	✓
L2756004-45	20	✓
L2756004-49	20	✓
L2756004-51	20	✓
L2756004-53	20	✓
L2756004-63	20	✓
L2756004-65	20	✓
L2756004-67	20	✓
L2756004-69	20	✓
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 440

Standard: 1613B-ES#1- 118G

Spike Date: 15-JULY-2024

Spike Witnessing

Chemist: (Chemist's Initials) KP

Witness: (Witness's Initials) EH

Correct Syringe Obtained: (Witness's Initials) EH

Correct Standard Obtained: (Witness's Initials) EH

Correct Technique Followed: (Witness's Initials) EH

PCB Extraction Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-1	20	✓
WG3789826-2	20	✓
WG3789826-3	20	✓
* L2756004-1	20	✓
WG3789826-4	20	✓
WG3789826-5	20	✓
WG3789826-6	20	✓
L2756004-11	20	✓
L2756004-31	20	✓
L2756004-45	20	✓
L2756004-49	20	✓
L2756004-51	20	✓
L2756004-53	20	✓
L2756004-63	20	✓
L2756004-65	20	✓
L2756004-67	20	✓
L2756004-69	20	✓
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 404

Standard: 1668A-ES#2- 111A

Spike Date: 15-JULY-2024

Spike Witnessing

Chemist: (Chemist's Initials) KP

Witness: (Witness's Initials) EH

Correct Syringe Obtained: (Witness's Initials) EH

Correct Standard Obtained: (Witness's Initials) EH

Correct Technique Followed: (Witness's Initials) EH

Batch ID:	WG3789826

DX Native Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-2	20	✓
WG3789826-3	20	✓
WG3789826-4	20	✓
WG3789826-5	20	✓

Syringe ID:	383
Standard:	1613B-NS#3- 051E
Date & Initials:	15-July-2024 KP

PCB Native Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-2	20	✓
WG3789826-3	20	✓
WG3789826-4	20	✓
WG3789826-5	20	✓

Syringe ID:	403
Standard:	1668A-NS#1-060C
Date & Initials:	15-July-2024 KP

Batch ID:	WG3789826

DX Cleanup Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-1	20	✓
WG3789826-2	20	✓
WG3789826-3	20	N/A
L2756004-1	20	✓
WG3789826-4	20	✓
WG3789826-5	20	✓
WG3789826-6	20	✓
L2756004-11	20	✓
L2756004-31	20	✓
L2756004-45	20	✓
L2756004-49	20	✓
L2756004-51	20	✓
L2756004-53	20	✓
L2756004-63 *	20	✓
L2756004-65 *	20	✓
L2756004-67 *	20	✓
L2756004-69 *	20	✓
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 467

Standard: 1613B-CL#2- 104L

Date & Initials: 16-Jul-24 HR

* 1613B-CL#2-104E

~~Witness's~~ Initials

Correct Syringe Obtained: HR

~~Witness's~~ Initials

Correct Standard Obtained: HR

~~Witness's~~ Initials

Correct Technique Followed: HR

PCB Cleanup Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-1	20	✓
WG3789826-2	20	✓
WG3789826-3	20	N/A
L2756004-1	20	✓
WG3789826-4	20	✓
WG3789826-5	20	✓
WG3789826-6	20	✓
L2756004-11	20	✓
L2756004-31	20	✓
L2756004-45	20	✓
L2756004-49	20	✓
L2756004-51	20	✓
L2756004-53	20	✓
L2756004-63	20	✓
L2756004-65	20	✓
L2756004-67	20	✓
L2756004-69	20	✓
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 438

Standard: 1668A-CL#2- 060K

Date & Initials: 16-Jul-24 HR

~~Witness's~~ Initials

Correct Syringe Obtained: HR

~~Witness's~~ Initials

Correct Standard Obtained: HR

~~Witness's~~ Initials

Correct Technique Followed: HR

Batch ID:	WG3789826

DX Injection Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-1	10	✓
WG3789826-2	10	✓
WG3789826-3	10	✓
L2756004-1	10	✓
WG3789826-4	10	✓
WG3789826-5	10	✓
WG3789826-6	10	✓
L2756004-11	10	✓
L2756004-31	10	✓
L2756004-45	10	✓
L2756004-49	10	✓
L2756004-51	10	✓
L2756004-53	10	✓
L2756004-63	10	✓
L2756004-65	10	✓
L2756004-67	10	✓
L2756004-69	10	✓
	10	
	10	
	10	
	10	
	10	
	10	

Syringe ID: 458

Standard: 1613B-IS#1- 120D

Date & Initials: 20- July - 2024 T.P.

	Witness's Initials
Correct Syringe Obtained:	T.P.
Correct Standard Obtained:	T.P.
Correct Technique Followed:	T.P.

PCB Injection Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789826-1	5	✓
WG3789826-2	5	✓
WG3789826-3	5	✓
L2756004-1	5	✓
WG3789826-4	5	✓
WG3789826-5	5	✓
WG3789826-6	5	✓
L2756004-11	5	✓
L2756004-31	5	✓
L2756004-45	5	✓
L2756004-49	5	✓
L2756004-51	5	✓
L2756004-53	5	✓
L2756004-63	5	✓
L2756004-65	5	✓
L2756004-67	5	✓
L2756004-69	5	✓
	5	
	5	
	5	
	5	
	5	
	5	
	5	

Syringe ID: 444

Standard: 1668A-IS#2-028F

Date & Initials: 17- July- 2024 T.P.

	Chemist's Initials
Correct Syringe Obtained:	T.P.
Correct Standard Obtained:	T.P.
Correct Technique Followed:	T.P.

Batch ID:	WG3789826

Reagent Lot Numbers:

Reagent	Lot#	Comment
Acetone	109269	
Hexane	109252	
DCM	109285	
Toluene	MKCV8467	
Nonane	ORG-NON- 084	
1:1 DCM:HEX	ORG-DH2- 943	
Sodium Sulphate	ORG-SSU- 3400, 3406, 3407	
Acid Silica	ORG-ASI- 13108, 13106	
Neutral Silica	ORG-NSI- 3582	
Alumina	ORG-ALU- 651	
Chromacarb	ORG-CC- 394	
Sand	ORG-SAND- -	
Corn oil	ORG-CO- -	

N-Evap Number:

Extract Reduction Step	N-evap# used
Post Rotovap	8
Acid Silica/Solvent Exchange	2
Alumina F2	2
Carbon F2	2
Microvial (DX)	2
Microvial (PCB)	2

Batch ID:	WG3789826

Procedure:

This batchsheet is a guideline only. Please see test procedure for complete set of instructions.
Extraction:
- Subsample size =10g.
- Mix with sodium sulphate to create a free-flowing mixture.
- Spike Extraction and Native Standards.
- Soxhlet extract in DCM overnight
- Roto-vap down to ~2ml. Transfer to a c-tube with 3x2ml Hexane rinses.
- Reduce to 1mL. Spike Samples with Cleanup Standards
- Acid Silica column
- Elute to 50ml with Hexane.
DX/PCB
- Reduce to **50uL**, bulk up with 1mL of Hexane
- Perform Alumina Column:
• Pre-elute the Alumina Column with 7ml Hexane
• Place F1 c-tube under the column, then load the sample with 3x 1ml Hexane Rinses
• F1 1mL of Hexane
• F2 (DX/PCB) 14ml 1:1 DCM:Hexane
- Blow down to 2ml
-Split 1/2 PCB and 1/2 DX
PCB:
- Vortex **very** well.
- Transfer every last drop to a micro-vial (no rinses).
- Blow down to the mark. (Micro-vial should contain 20ul Nonane, and the level should be marked.)
- Spike PCB Injection Standard. Cap and Vortex **FV = 25ul**

DX:

- Carbon Column: - 4cm of well-packed chroma-carb.
  - Pre-elute Carbon with 5ml Hexane
  - Transfer with 3x1ml Hexane
  - F1 = **10ml** 1:1 DCM:Hexane (Archive)
  - After dripping has stopped Invert Column.
  - F2 = 14ml Toluene (DX)

- After the column has stopped dripping reduce the **F2** portion down to ~1/2ml.

- Vortex well, then transfer to a micro-vial without rinses.
- Blow the micro-vial down to just-dry.
- Spike with Injection Standard, Cap the micro-vial, and Vortex. **FV=10ul**

Approval of Deviation from Standard Method

(Batch Writer): _____

☐ Procedure does deviate from Standard Method. **Approved (Supervisor/Manager):** _____

Comments:

- Label and save all columns.

WG3789826			Prep Analyst:		
Plant Tissue - DX/PCB			Date:		
	Very Good	Meets Method Req	Some Outliers	Very Poor	Comments / Was spl/batch sent for rework? Why?
MB					
LCS					
DUP					
ES rec					

A L S L i f e s c i e n c e s

Sample Calculation Report

CS3 RRF Check

Approved: *M.Elchawiche* --e-signature-- 25-Jul-2024

RRF = (Response of 2,3,7,8-TCDD / Response of 13C12-2,3,7,8-TCDD) x (Concentration of 13C12-2,3,7,8-TCDD / Concentration of TCDD)

						Calculated Value	Value from TargetLynx
RRF	=	**265229.00** / **3204894.40**	x	**100** / **10**	=	**0.83**	**0.83**

Calculation of OCDD amount in L2756004-1

pg/g wwt = (Response of OCDD / Response of 13C12-OCDD) x (pg of 13C12-OCDD spiked / Mean RRF * Sample Size)

pg/g wwt	=	**6967.9** / **196234.2**	x	**4000** / **1.14** * **10.29**	=	**12.1**	**12.1**	

Calculation of 13C12-2,3,7,8-TCDD Recovery in L2756004-1

% Recovery = (Response of 13C12-2,3,7,8-TCDD / Response of 13C12-1,2,3,4-TCDD) x (pg of 13C12-1,2,3,4-TCDD spiked / Mean RRF * 100 / Amount Spiked)

% Recovery	=	**465003.5** / **659040.7**	x	**2000** / **1.24** * **100** / **2000**	=	**57**	**57**	**%**

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 7: SHIPPING/RECEIVING DOCUMENTS

Including:

- Airbills
- Chain-of-Custody Records
- Sample Log-in Sheet(s) - where applicable
- Others as listed below:

EO2404138

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120251

Page: 1 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y N
Company Name: Matrix Solutions inc
Contact Name: Lindsay Ritter
Address:
PC:
Phone / Fax#: Ph: Fax:
AFE #: PO - 0 65460

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: Soil Sveg program
Location: SWAN Hills Treatment centre
Sampler's Name(s): L. Ritter / M. Wheatley

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG
- [ ] BC CSR
- Other: SEE & VOTE EO24-M501200

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: lritter@matrix-solutions.com

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Diolins & Furans	Congener PCBs	Lems PCBs	A-PCB	metals	PH/EC	HOLD
1	15867240527001	plot 402		live moss	May 27/24		1	3	X	X		X	X	X	
2	001	plot 402		LAB TEA			2	3	X	X			X		
3	002	—		live moss			1	0					X	X	
4	002	—		LAB TEA			1	0					X		
5	003	plot 29		live moss			1	1			X				
6	103	plot 29		LAB TEA			1	1			X				
7	004	plot 14		live moss			1	1			X				
8	104	plot 14		LAB TEA			1	1			X				
9	005	plot 16		live moss			1	1			X				
10	105	plot 16		LAB TEA			1	1			X				
11	006	plot 13		live moss			1	1			X				
12	106	plot 13		LAB TEA				1			X				
13	401	Field Blank		BLANK			0	1				X			
14	402	Trip Blank		BLANK	✓		0	1							X
15	15867240528007	plot 123		moss	May 28/24		1	3	X	X		X	X	X	

Preserved/Filtered

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Relinquished by: Lindsay Ritter Date/Time: May 30/24 6pm
Signature:
Received by: SL 31-MAY-24 10:11 Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: STENO NOSR PRIOR TO ANALYZING SAMPLES

20, 2.3, 1.6
2.3 5.6, 2.8
1.7, 2.7

J = jars V = vials

Environmental Division
Edmonton
Work Order Reference
EO2404138

Telephone : +1 780 413 5227

L2756004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG

ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120254

Page: 2 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: MATRIX Solutions Inc
Contact Name: Lindsay Officer
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: Soil & VEG program
Location: SWAN Hills Treatment Centre
Sampler's Name(s): L officer / M. Wheatley

AFE #: PO-065460

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG

Other: SEE QUOTE E024-MS01100

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- ☒ REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- ☒ Additional Emails: lofficer@matrix-solutions.com

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	Hrms	Lrms PCBs	A-PCB	metals	pH/EC	HOLD
1	15867240528107	plot 123	—	LAB TEA	May 28/24		2	3	X	X				X		
2	098	plot 9	—	moss			1	1				X				
3	108	↓	—	LAB TEA			1	1				X				
4	009		—	moss			0	1				X				
5	109	↓	—	LAB TEA			0	1				X				
6	010	plot 7	~~moss~~ 20	moss			1	1				X				
7	110	plot 7	~~LAB TEA~~ 10	LAB TEA			1	1				X				
8	011	plot 8	—	moss			1	1				X				
9	111	↓	—	LAB TEA	↓		1	1				X				
10	012	plot 6	—	moss	May 28/24		1	1				X				
11	112	↓	—	LAB TEA			1	1				X				
12	013		—	moss			0	1				X				
13	113	↓	~	LAB TEA	↓		0	1				X				
14	014	plot 104	—	moss			1	1				X				
15	#14	↓	—	LAB TEA	↓		1	1				X				

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay officer Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: Send RQSR prior to Analyzing samples

J = jars V = vials

L2756004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG
ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120255

Page: 3 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y ✓ N

Company Name: see p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: Soil & Veg program
Location: SWAN HILLS Treatment centre
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1 [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	HAMS	LRMS PCBs	A-PCB	Metals	PH/EC	HOLD
1	15867240528015	plot 1	—	moss	May 28/24		1	1				X				
2	115	↓	—	LAB TEA			1	1				X				
3	016	plot 2	—	moss			1	1				X				
4	116	↓	—	LAB TEA			1	1				X				
5	017	plot 11	—	moss			1	3	X	X			X	X	X	
6	117	↓	—	LAB TEA			2	3	X	X				✓		
7	018	plot 12	—	moss			1	1				X				
8	118	↓	—	LAB TEA			1	1				X				
9	019	plot 28	—	moss			1	1				X				
10	119	↓	—	LAB TEA			1	1				X				
11	020	plot 26	—	moss			1	1				X				
12	120	↓	—	LAB TEA			1	1				X				
13	021	plot 81	—	moss			1	1				X				
14	121	↓	—	LAB TEA	↓		1	1				X				
15	403	Field Blank	—	BLANK	↓		0	1					X			

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" — Preserved/Filtered

Relinquished by: Lindsay Miller Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS see p.1

J = jars V = vials

L2756004(1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG
ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117776

Page: 1 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y ✓ N

Company Name: see p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 19867-503
Matrix Proj. Name: SSV program
Location: SHTC
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG

Other: see p.1

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- ✓ REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- ✓ Additional Emails: see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	Lpms PCBs	A-PCB	Metals	pH/EC	HOLD
1	15867240529022	plot 15	—	live mass	May 29/21		1	1			X				
2	123	plot 15	—	LAB TEA			1	1			X				
3	023	plot 121	—	live mass			1	1			X	X			
4	123	plot 121	—	LAB TEA			1	1			X				
5	024	plot 110	—	live mass			1	3	X	X		X	X	X	
6	124	plot 110	—	LAB TEA			2	3	X	X			X		
7	025	plot 80	—	live mass			1	1			X				
8	125	plot 80	—	LAB TEA			1	1			X				
9	026	plot 4	—	live mass			1	3	X	X		X	X	X	
10	126	plot 4	—	LAB TEA			2	3	X	X			X		
11	027	—	—	live mass			0	2			X				X
12	127	—	—	LAB TEA			0	2							X
13	028	plot 109	—	live mass			1	3	X	X		X	X	X	
14	128	plot 109	—	LAB TEA			2	3	X	X			X		
15	029	—	—	live mass			1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Slater
Signature:
Date/Time: May 30/21 6pm

Received by:
Signature:
Date/Time:

COMMENTS/SPECIAL INSTRUCTIONS: see p.1

J = jars V = vials

L2756004(1,11,31,45,49,51,53,63,65,67,69)DX 240814 DPKG
ALS Canada Ltd.
64 of 71

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117777

Page: 5 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: See p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: 5QV program
Location: 5 ATC
Sampler's Name(s): LO / MW

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	Hexa PCBs	A-PCB	metals	DA/EL	HOLD
1	15867240529 129	—	LABTEA	~~MOSS~~ LABTEA	May 29/24		1	3	X	X			X		
2	030	plot 5	live moss	live moss			1	1			X				
3	130	plot 5	LABTEA	LABTEA			1	1			X				
4	031	plot 102	moss	live moss			1	1			X				
5	131	plot 102	LABTEA	LAB TEA			1	1			X				
6	032	plot 103	Live moss	live moss			1	1			X				
7	132	plot 103	LAB TEA	LAB TEA	✓		1	1			X				
8	404	FIELD BLANK	—	—			0	1				X			
9	15867240530 033	plot 27	live moss	live moss	May 30/24		1	1			X				
10	133	↓	LABTEA	LABTEA			1	1			X				
11	034	plot 117	—	live moss			1	3	X	X		X	X	X	
12	134	↓	—	LABTEA			2	3	X	X			X		
13	035	plot 114	—	live moss			1	3	X	X		X	X	X	
14	135	↓	✓	LAB TEA			2	3	X	X		X	X		
15	✓ 036	plot 71	—	live moss	✓		1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Sifter Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

L2756004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG

ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 106148

Page: 6 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N ___

Company Name: see p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SBV program
Location: SHTC
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) **Due Date:**
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins & Furans	Congener PCBs	Congener HRMS	LPMS PCBs	A-PCB	Metals	pH/EC	HOLD
1	15867240530136	plot 71	—	LABTEA	May 30/24		2	3	X	X				X		
2	137	plot 70	—	Leve mass			1	3	X	X			X	X	X	
3	137	↓	—	LABTEA			2	3	X	X				X		
4	038	—	—	Leve mass			0	1								X
5	138	—	—	LABTEA			0	1								X
6	405	Field Blank 04	—	—			0	1					X			
7	406	Trip Blank	—	—			0	1								X
8	407	↓	—	—	↓		0	1								X
9																
10																
11																
12																
13																
14																
15																

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Offer **Date/Time:** May 30/24 6pm
Signature:
Received by: **Date/Time:**
Signature:

COMMENTS/SPECIAL INSTRUCTIONS see p.1

J = jars V = vials

ALS Canada Ltd. 12756004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DEKG

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120253

Page: 67 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y___ N___
Company Name: See pol
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SSV program
Location: SHFC
Sampler's Name(s): LO/MW

AFE #: See pol

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: See pol

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See pol

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Lpms PCBs	4-PCBs	HOLD
1	15867240527201	plot 102	10-0	Soil	May 27/24			1	X	X	
2	202		0-5					1	X	X	
3	203		5-15					1	X	X	
4	15867 24 0528204	plot 123	5-0		MAY 28/24			1	X	X	
5	205		0-5					1	X	X	
6	206		5-15					1	X	X	
7	207	plot 11	5-0					1	X	X	
8	208		0-5					1	X	X	
9	209		5-15					1	X	X	
10	15867240529 210	plot 110	5-0		May 29/24			1	X	X	
11	211		0-5					1	X	X	
12	212		5-15					1	X	X	
13	213	plot 4	11-0					1	X	X	
14	214		0-5					1	X	X	
15	215		5-15					1	X	X	

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117778

Page: 8 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: See p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: SGV PROGRAM
Location: SHTC
Sampler's Name(s): LO/MW

AFE #:

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [✓] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [✓] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: LPM3 PCBs	A-PCBs
1	15867240529 ~~216~~	plot 109	15-0	Soil	May29/24		0	1	X	X
2	~~217~~	—	—				0	1	X	X
3	~~218~~	plot 109	0-5				0	1	X	X
4	~~219~~	—	—				0	1	X	X
5	220	plot 109	5-15				0	1	X	X
6	221	—	—				0	1	X	X
7	15867240530 222	plot 117	5-0		MAY30/24		0	1	X	X
8	223	↓	0-5				0	1	X	X
9	224	↓	5-15				0	1	X	X
10	225	plot 114	5-0				0	1	X	X
11	226	↓	0-10				0	1	X	X
12	227	↓	10-15				0	1	X	X
13	228	plot 71	5-0				0	1	X	X
14	229	↓	0-5				0	1	X	X
15	230	↓	5-15	↓	↓		0	1	X	X

HOLD

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" — Preserved/Filtered

Relinquished by: Lindsay Miller Date/Time: May30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: See p.1

J = jars V = vials

L2756004(1,11,31,45,49,51,53,63,65,67,69)DX 240814 DPKG
ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117779

Page: 8 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: see p1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-507
Matrix Proj. Name: SBV PROGRAM
Location: THTC
Sampler's Name(s): LO/MW

AFE #: see p1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: see p1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: see p1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	LPMS PCBs	A-PCBs	HOLD
1	15867 240530 231	plot 70	7-0	Soil	May 30/24		0	1	X	X	
2	232		—				0	1	~~X~~ NO		X
3	233		0-5				0	1	X	X	
4	234		—				0	1	~~X~~ NO		X
5	235		5-15				0	1	X	X	
6	236		—				0	1	~~X~~ NO		X
7											
8											
9											
10											
11											
12											
13											
14											
15											

Analysis Required

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Nikkel Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: see p1

J = jars V = vials

L27/66004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG
ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120252

Page: 10 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N
Company Name: See p.1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-507
Matrix Proj. Name: SBV program
Location: SHTC
Sampler's Name(s): LO/mw

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Metals
1	15867 24 05 27 301	MB24		MoSSBAG	May 27/24		1		X
2	302	MB14					1		X
3	303	MB9					1		X
4	15867 2429 304	MB1			May 28/24		1		X
5	305	MB2					1		X
6	306	MB11					1		X
7	307	MB19					1		X
8	308	MB50					1		X
9	15867 2429 309	MB26			May 29/24		1		X
10	310	SITE 1					1		X
11	311	SITE 9					1		X
12	312	SITE 5					1		X
13	313	MB15					1		X
14	314	MB4					1		X
15	315	MB5					1		X

HOLD

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Sifton Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

L2756004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG

ALS Canada Ltd.

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 112100

Page: 11 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y ✓ N
Company Name: See p-1
Contact Name:
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: 3BV Project
Location: 5 Hz
Sampler's Name(s): LD / MW

AFE #: See p-1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p-1

SERVICE REQUESTED:
- [ ] **RUSH** (Please ensure you contact the lab) **Due Date:**
- [✓] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [✓] Additional Emails: See p-1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: METALS	HOLD
1	15867 240530 316	MB20	—	MOSSBAG	May 30/24		1	0	X	
2	317	MB22	—	↓	↓		1	0	X	
3	↓ 318	MB71	✓	↓	↓		1	0	X	
4	319	Vacuppod	—	MOSSPICK	↓		0	1	X	
5	320	MOSS	—	↓	↓		0	1	X	
6	✓ 321	↓	—	✓	✓		0	1	X	
7										
8										
9										
10										
11										
12										
13										
14										
15										

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lyn May 31/24 6pm **Date/Time:** May 31/24 6pm
Signature:
Received by: **Date/Time:**
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p-1

J = jars V = vials

L2756004 (1, 11, 31, 45, 49, 51, 53, 63, 65, 67, 69) DX 240814 DPKG
ALS Canada Ltd.

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

Client Project Information

Project ID: 15867-503 SOIL & VEGETATION MONITORING PROGRAM
Project Description:
Contact: Lindsay Oiffer

ALSE Project Information

Project ID: 10297
Contact: Kieran Tordoff
Submission ID(s): L2756004

Final Package Review by: _____
Date Reviewed: 14/8/2024

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 1: PROJECT NARRATIVE

ALSE Project Information

Project ID: 10297
Contact: Kieran Tordoff
Submission ID(s): L2756004

Client Project Information

Project ID: 15867-503 SOIL & VEGETATION MONITORING PRO
Project Description:
Contact: Lindsay Oiffer

Analytical Method: PCDD/F by EPA 1613B via Isotope Dilution

ALS Sample ID	Client Sample Descriptions	Matrix	Date Sampled	Date Received	Date Extracted	Date Analyzed
L2756004-2	15867240527101	Tissue	27-May-24	31-May-24	18-Jul-24	25-Jul-24
WG3789832-4	Duplicate	QC	n/a	n/a	18-Jul-24	25-Jul-24
L2756004-12	15867240528107	Tissue	27-May-24	31-May-24	18-Jul-24	25-Jul-24
L2756004-32	15867240528117	Tissue	27-May-24	31-May-24	18-Jul-24	25-Jul-24
L2756004-46	15867240529124	Tissue	27-May-24	31-May-24	18-Jul-24	25-Jul-24
L2756004-50	15867240529126	Tissue	27-May-24	31-May-24	18-Jul-24	25-Jul-24
L2756004-52	15867240529128	Tissue	27-May-24	31-May-24	18-Jul-24	25-Jul-24
L2756004-54	15867240529129	Tissue	27-May-24	31-May-24	18-Jul-24	26-Jul-24
L2756004-64	15867240530134	Tissue	27-May-24	31-May-24	18-Jul-24	26-Jul-24
L2756004-66	15867240530135	Tissue	27-May-24	31-May-24	18-Jul-24	26-Jul-24
L2756004-68	15867240530136	Tissue	27-May-24	31-May-24	18-Jul-24	26-Jul-24
L2756004-70	15867240530137	Tissue	27-May-24	31-May-24	18-Jul-24	26-Jul-24
WG3789832-1	Method Blank	QC	n/a	n/a	18-Jul-24	25-Jul-24
WG3789832-2	Laboratory Control Sample	QC	n/a	n/a	18-Jul-24	25-Jul-24

Comments and Notes:

a) Sample Integrity:

b) Instrumental Analysis:

The duplicate sample did not meet replication criteria for OCDF and OCDD. These analytes are detected at levels well below the Lower Quantitation Limit (LQL) and at levels where variable laboratory background is common. Analytes below the LQL are not required to meet these criteria.

I certify that this data package is in compliance with the terms and condition of the contract , both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this data package (hardcopy and/or electronic version) has been authorized by the Laboratory Manager or their designee, as verified by the following signature.

Bradley Reimer, GC/MS Laboratory Senior Technical Specialist

14/8/2024
Date

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 2: DATA SUMMARY REPORT

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6
Phone: 905-331-3111, FAX: 905-331-4567

Certificate of Analysis

ALS Project Contact:	Kieran Tordoff	**Client Name:**	Matrix Solutions Inc.
ALS Project ID:	10297	**Client Address:**	600 - 214 - 11 Ave SW
ALS WO#:	L2756004		Calgary, AB
Date of Report	14-Aug-24		T2R 0K1
Date of Sample Receipt	31-May-24	**Client Contact:**	Lindsay Oiffer
		Client Project ID:	15867-503 SOIL & VEGETATION MONITORING PROGRAM

COMMENTS: **PCDD/F by EPA 1613B via Isotope Dilution**

The duplicate sample did not meet replication criteria for OCDF and OCDD. These analytes are detected at levels well below the Lower Quantitation Limit (LQL) and at levels where variable laboratory background is common. Analytes below the LQL are not required to meet these criteria.

Certified by:

Bradley Reimer
GC/MS Laboratory Senior Technical Specialist

Results in this certificate relate only to the samples as submitted to the laboratory.
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A L S L i f e S c i e n c e s

Sample Analysis Summary Report

Sample Name	1586724052710l	Duplicate	1586724052810l7	1586724052811l7	1586724052912l4	1586724052912l6
ALS Sample ID	L2756004-2	WG3789832-4	L2756004-12	L2756004-32	L2756004-46	L2756004-50
Sample Size	1.08	1.39	1.00	1.06	1.25	1.20
Sample size units	g	g	g	g	g	g
Percent Moisture	n/a	n/a	n/a	n/a	n/a	n/a
Sample Matrix	Tissue	QC	Tissue	Tissue	Tissue	Tissue
Sampling Date	27-May-24	n/a	27-May-24	27-May-24	27-May-24	27-May-24
Extraction Date	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24
Target Analytes	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
2,3,7,8-TCDD	<0.18	0.146	<0.20	<0.19	<0.25	<0.39
1,2,3,7,8-PeCDD	0.538	0.332	<0.60	<0.24	<0.38	<0.23
1,2,3,4,7,8-HxCDD	<0.20	<0.18	<0.19	<0.29	<0.39	<0.30
1,2,3,6,7,8-HxCDD	<0.33	<0.20	<0.20	<0.26	<0.39	<0.44
1,2,3,7,8,9-HxCDD	<0.34	<0.18	<0.18	<0.30	<0.37	<0.40
1,2,3,4,6,7,8-HpCDD	<1.5	<0.39	<0.46	0.587	<0.53	2.65
OCDD	9.91	1.58	2.39	<2.4	<2.1	<7.3
2,3,7,8-TCDF	<0.41	<0.57	<0.30	<0.20	<0.32	<0.73
1,2,3,7,8-PeCDF	0.425	<0.38	<0.53	0.499	<0.34	0.595
2,3,4,7,8-PeCDF	<0.22	<0.19	<0.22	<0.24	<0.24	<0.57
1,2,3,4,7,8-HxCDF	<0.16	0.147	<0.25	0.236	<0.20	<0.21
1,2,3,6,7,8-HxCDF	<0.16	<0.14	<0.26	<0.18	<0.20	<0.20
2,3,4,6,7,8-HxCDF	<0.19	<0.23	<0.26	<0.17	<0.21	0.451
1,2,3,7,8,9-HxCDF	0.250	<0.21	<0.34	<0.27	<0.26	<0.27
1,2,3,4,6,7,8-HpCDF	0.477	<0.29	<0.36	<0.26	<0.41	1.40
1,2,3,4,7,8,9-HpCDF	<0.37	0.304	<0.58	<0.23	<0.26	<0.38
OCDF	1.25	0.631	<0.85	0.759	1.12	<2.1
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	67	81	64	63	47	53
13C12-1,2,3,7,8-PeCDD	73	87	69	75	55	62
13C12-1,2,3,4,7,8-HxCDD	76	87	71	75	56	63
13C12-1,2,3,6,7,8-HxCDD	75	87	66	76	54	61
13C12-1,2,3,4,6,7,8-HpCDD	75	89	67	76	56	66
13C12-OCDD	73	86	61	75	51	67
13C12-2,3,7,8-TCDF	60	73	59	60	45	49
13C12-1,2,3,7,8-PeCDF	61	71	58	62	47	52
13C12-2,3,4,7,8-PeCDF	70	89	75	77	59	66
13C12-1,2,3,4,7,8-HxCDF	70	81	66	70	53	62
13C12-1,2,3,6,7,8-HxCDF	75	86	67	75	53	63
13C12-2,3,4,6,7,8-HxCDF	76	86	66	77	53	65
13C12-1,2,3,7,8,9-HxCDF	71	86	65	77	55	66
13C12-1,2,3,4,6,7,8-HpCDF	67	82	62	73	51	62
13C12-1,2,3,4,7,8,9-HpCDF	56	77	58	63	47	58
Cleanup Standard						
37Cl4-2,3,7,8-TCDD (Cleanup)	71	93	73	75	54	63
Homologue Group Totals	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
Total-TCDD	<0.18	0.146	<0.20	<0.19	<0.25	<0.39
Total-PeCDD	0.538	0.332	<0.51	<0.24	<0.38	<0.23
Total-HxCDD	<0.20	<0.20	0.294	<0.26	<0.39	<0.30
Total-HpCDD	<0.22	<0.13	<0.25	0.587	0.549	5.30
Total-TCDF	0.928	0.482	<0.30	<0.20	<0.32	0.332
Total-PeCDF	0.425	<0.27	0.291	0.499	<0.34	1.32
Total-HxCDF	0.250	0.147	<0.34	0.236	<0.26	0.700
Total-HpCDF	0.477	0.304	<0.48	<0.23	<0.26	1.40
Toxic Equivalency - (WHO 2005)						
Lower Bound PCDD/F TEQ (WHO 2005)	0.584	0.496	0.000717	0.0447	0.000336	0.103
Mid Point PCDD/F TEQ (WHO 2005)	0.910	0.686	0.861	0.463	0.485	0.797
Upper Bound PCDD/F TEQ (WHO 2005)	1.03	0.743	1.09	0.719	0.959	1.16

ALS Life Sciences

Sample Analysis Summary Report

Sample Name	**1586724052912B**	**1586724052912G**	**1586724053013G**	**1586724053013S**	**1586724053013G**	**1586724053013T**
ALS Sample ID	L2756004-52	L2756004-54	L2756004-64	L2756004-66	L2756004-68	L2756004-70
Sample Size	1.93	1.31	1.36	1.25	1.24	1.28
Sample size units	g	g	g	g	g	g
Percent Moisture	n/a	n/a	n/a	n/a	n/a	n/a
Sample Matrix	Tissue	Tissue	Tissue	Tissue	Tissue	Tissue
Sampling Date	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24	27-May-24
Extraction Date	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24	18-Jul-24
Target Analytes	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
2,3,7,8-TCDD	<0.42	<0.16	<0.20	<0.15	<0.23	<0.58
1,2,3,7,8-PeCDD	<0.40	<0.27	<0.37	<0.37	0.375	<0.26
1,2,3,4,7,8-HxCDD	<0.15	<0.18	<0.18	<0.39	<0.23	<0.32
1,2,3,6,7,8-HxCDD	<0.15	<0.18	<0.17	<0.37	<0.22	<0.29
1,2,3,7,8,9-HxCDD	<0.24	<0.18	<0.17	<0.36	<0.22	<0.28
1,2,3,4,6,7,8-HpCDD	2.54	<0.63	<0.67	<1.1	0.763	<0.31
OCDD	<4.5	1.55	<1.7	<2.5	<2.6	<2.3
2,3,7,8-TCDF	<0.36	<0.58	<0.27	<0.43	<0.33	0.662
1,2,3,7,8-PeCDF	<0.33	<0.22	0.493	0.489	0.425	<0.46
2,3,4,7,8-PeCDF	<0.23	<0.21	<0.22	<0.28	<0.25	<0.34
1,2,3,4,7,8-HxCDF	<0.19	<0.18	<0.093	<0.17	<0.13	<0.20
1,2,3,6,7,8-HxCDF	<0.19	<0.14	<0.13	<0.21	<0.11	<0.19
2,3,4,6,7,8-HxCDF	<0.26	<0.13	<0.10	<0.12	0.166	<0.19
1,2,3,7,8,9-HxCDF	<0.23	<0.15	<0.14	0.148	0.227	<0.25
1,2,3,4,6,7,8-HpCDF	<0.57	<0.32	<0.35	0.587	<0.48	<0.36
1,2,3,4,7,8,9-HpCDF	<0.59	<0.44	<0.31	<0.37	<0.70	<0.50
OCDF	<1.0	0.617	0.797	0.801	<1.0	0.892
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	52	60	49	59	50	38
13C12-1,2,3,7,8-PeCDD	61	68	56	68	55	46
13C12-1,2,3,4,7,8-HxCDD	62	74	58	72	54	45
13C12-1,2,3,6,7,8-HxCDD	60	70	56	72	53	48
13C12-1,2,3,4,6,7,8-HpCDD	64	73	58	78	58	51
13C12-OCDD	63	73	56	77	57	51
13C12-2,3,7,8-TCDF	48	55	47	55	46	36
13C12-1,2,3,7,8-PeCDF	52	59	49	59	49	39
13C12-2,3,4,7,8-PeCDF	66	71	59	70	60	48
13C12-1,2,3,4,7,8-HxCDF	57	69	56	68	53	45
13C12-1,2,3,6,7,8-HxCDF	60	71	56	71	54	46
13C12-2,3,4,6,7,8-HxCDF	62	69	57	73	53	47
13C12-1,2,3,7,8,9-HxCDF	64	72	56	75	56	49
13C12-1,2,3,4,6,7,8-HpCDF	59	71	56	72	54	46
13C12-1,2,3,4,7,8,9-HpCDF	57	65	50	67	51	43
Cleanup Standard						
37Cl4-2,3,7,8-TCDD (Cleanup)	63	69	56	70	64	64
Homologue Group Totals	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**	**pg/g wwt**
Total-TCDD	<0.42	<0.16	<0.20	<0.15	<0.23	<0.58
Total-PeCDD	<0.40	<0.27	<0.21	<0.37	0.375	<0.26
Total-HxCDD	0.314	<0.18	<0.18	<0.39	<0.23	<0.29
Total-HpCDD	2.54	<0.63	<0.20	<0.14	0.763	<0.31
Total-TCDF	<0.34	<0.19	<0.27	0.347	<0.33	1.86
Total-PeCDF	<0.33	<0.22	0.493	0.489	0.425	<0.36
Total-HxCDF	<0.23	<0.15	<0.13	0.148	0.393	0.350
Total-HpCDF	<0.59	<0.44	<0.11	0.587	<0.70	<0.50
Toxic Equivalency - (WHO 2005)						
Lower Bound PCDD/F TEQ (WHO 2005)	0.0254	0.000650	0.0150	0.0356	0.435	0.0665
Mid Point PCDD/F TEQ (WHO 2005)	0.617	0.426	0.608	0.542	0.714	0.711
Upper Bound PCDD/F TEQ (WHO 2005)	1.11	0.686	0.790	0.860	0.877	1.21

A L S L i f e S c i e n c e s

Quality Control Summary Report

Sample Name	Method Blank	Laboratory Control Sample
ALS Sample ID	WG3789832-1	WG3789832-2
Sample Size	1.00	1.00
Sample size units	g	n/a
Percent Moisture	n/a	n/a
Sample Matrix	QC	QC
Sampling Date	n/a	n/a
Extraction Date	18-Jul-24	18-Jul-24
Target Analytes	**pg/g wwt**	**% Rec**
2,3,7,8-TCDD	<0.37	81
1,2,3,7,8-PeCDD	<0.82	104
1,2,3,4,7,8-HxCDD	<0.48	97
1,2,3,6,7,8-HxCDD	<0.47	94
1,2,3,7,8,9-HxCDD	<0.63	91
1,2,3,4,6,7,8-HpCDD	0.980	97
OCDD	<1.8	89
2,3,7,8-TCDF	<0.49	94
1,2,3,7,8-PeCDF	0.875	118
2,3,4,7,8-PeCDF	<0.30	98
1,2,3,4,7,8-HxCDF	<0.36	95
1,2,3,6,7,8-HxCDF	0.646	99
2,3,4,6,7,8-HxCDF	0.575	93
1,2,3,7,8,9-HxCDF	<0.50	95
1,2,3,4,6,7,8-HpCDF	<0.34	100
1,2,3,4,7,8,9-HpCDF	<0.51	112
OCDF	1.53	58
Extraction Standards	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	47	31
13C12-1,2,3,7,8-PeCDD	52	35
13C12-1,2,3,4,7,8-HxCDD	57	37
13C12-1,2,3,6,7,8-HxCDD	57	37
13C12-1,2,3,4,6,7,8-HpCDD	57	35
13C12-OCDD	54	31
13C12-2,3,7,8-TCDF	41	31
13C12-1,2,3,7,8-PeCDF	44	30
13C12-2,3,4,7,8-PeCDF	54	38
13C12-1,2,3,4,7,8-HxCDF	53	36
13C12-1,2,3,6,7,8-HxCDF	54	39
13C12-2,3,4,6,7,8-HxCDF	57	37
13C12-1,2,3,7,8,9-HxCDF	53	33
13C12-1,2,3,4,6,7,8-HpCDF	51	35
13C12-1,2,3,4,7,8,9-HpCDF	45	26
Cleanup Standard		
37Cl4-2,3,7,8-TCDD (Cleanup)	60	68
Homologue Group Totals	**pg/g wwt**	
Total-TCDD	<0.37	
Total-PeCDD	<0.82	
Total-HxCDD	<0.48	
Total-HpCDD	0.980	
Total-TCDF	<0.33	
Total-PeCDF	0.875	
Total-HxCDF	1.22	
Total-HpCDF	<0.37	
Toxic Equivalency - (WHO 2005)		
Lower Bound PCDD/F TEQ (WHO 2005)	0.159	
Mid Point PCDD/F TEQ (WHO 2005)	1.01	
Upper Bound PCDD/F TEQ (WHO 2005)	1.74	

A L S L i f e S c i e n c e s

Continuing Calibration Summary Report

Sample Name	CVS	CCV	CCV	CCV
ALS Sample ID	H12-23-RS1-0015	H12-24-CCV-0394	H12-24-CCV-0395	H12-24-CCV-0396
Sample Size	1	1	1	1
Sample size units	n/a	n/a	n/a	n/a
Percent Moisture	n/a	n/a	n/a	n/a
Sample Matrix	QC	QC	QC	QC
Sampling Date	n/a	n/a	n/a	n/a
Extraction Date	n/a	n/a	n/a	n/a
Target Analytes	**% Rec**	**% Rec**	**% Rec**	**% Rec**
2,3,7,8-TCDD	90	99	97	102
1,2,3,7,8-PeCDD	104	103	100	101
1,2,3,4,7,8-HxCDD	91	101	103	99
1,2,3,6,7,8-HxCDD	97	105	101	102
1,2,3,7,8,9-HxCDD	95	103	103	104
1,2,3,4,6,7,8-HpCDD	98	104	102	101
OCDD	92	102	100	100
2,3,7,8-TCDF	95	104	102	105
1,2,3,7,8-PeCDF	100	105	102	103
2,3,4,7,8-PeCDF	93	106	103	101
1,2,3,4,7,8-HxCDF	94	102	101	99
1,2,3,6,7,8-HxCDF	93	100	101	98
2,3,4,6,7,8-HxCDF	93	101	97	100
1,2,3,7,8,9-HxCDF	99	103	102	102
1,2,3,4,6,7,8-HpCDF	99	102	98	101
1,2,3,4,7,8,9-HpCDF	97	102	101	97
OCDF	97	100	101	103
Extraction Standards	**% Rec**	**% Rec**	**% Rec**	**% Rec**
13C12-2,3,7,8-TCDD	98	100	103	98
13C12-1,2,3,7,8-PeCDD	97	99	106	105
13C12-1,2,3,4,7,8-HxCDD	101	100	97	97
13C12-1,2,3,6,7,8-HxCDD	99	100	100	100
13C12-1,2,3,4,6,7,8-HpCDD	99	102	105	105
13C12-OCDD	97	97	105	106
13C12-2,3,7,8-TCDF	98	98	101	99
13C12-1,2,3,7,8-PeCDF	98	99	104	105
13C12-2,3,4,7,8-PeCDF	100	100	105	110
13C12-1,2,3,4,7,8-HxCDF	102	102	100	100
13C12-1,2,3,6,7,8-HxCDF	102	101	100	102
13C12-2,3,4,6,7,8-HxCDF	100	101	101	101
13C12-1,2,3,7,8,9-HxCDF	100	97	102	104
13C12-1,2,3,4,6,7,8-HpCDF	97	99	102	104
13C12-1,2,3,4,7,8,9-HpCDF	100	97	105	110
Cleanup Standard				
37Cl4-2,3,7,8-TCDD (Cleanup)	101	98	101	99

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240527101**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-2	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.08	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B09
Run Date	25-Jul-24 16:12
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	28.60	<0.18	0.18	M,U	0.12	9.3
1,2,3,7,8-PeCDD	1	31.61	0.538	0.24	J		46
1,2,3,4,7,8-HxCDD	0.1	33.81	<0.20	0.20	M,U	0.15	46
1,2,3,6,7,8-HxCDD	0.1	33.91	<0.33	0.19	J,R	0.33	46
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.34	0.18	J,R	0.34	46
1,2,3,4,6,7,8-HpCDD	0.01	36.40	<1.5	0.22	J,R	1.5	46
OCDD	0.0003	39.33	9.91	0.70	J		93
2,3,7,8-TCDF	0.1	28.04	<0.41	0.31	M,J,R	0.41	9.3
1,2,3,7,8-PeCDF	0.03	30.89	0.425	0.27	M,J,R		46
2,3,4,7,8-PeCDF	0.3	31.50	<0.22	0.21	M,J,R	0.22	46
1,2,3,4,7,8-HxCDF	0.1	33.26	<0.16	0.16	M,U	0.094	46
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.16	0.16	M,U	0.084	46
2,3,4,6,7,8-HxCDF	0.1	33.76	<0.19	0.16	M,J,R	0.19	46
1,2,3,7,8,9-HxCDF	0.1	34.49	0.250	0.21	M,J		46
1,2,3,4,6,7,8-HpCDF	0.01	35.46	0.477	0.22	M,J		46
1,2,3,4,7,8,9-HpCDF	0.01	37.05	<0.37	0.37	M,U	0.28	46
OCDF	0.0003	39.71	1.25	0.34	M,J,B		93

Extraction Standards	**pg**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	67	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.60	73	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.81	76	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	75	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	75	23-140
13C12-OCDD	4000	39.31	73	17-157
13C12-2,3,7,8-TCDF	2000	28.04	60	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.87	61	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	70	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	70	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	75	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	76	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	71	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	67	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	56	26-138

Cleanup Standard	**pg**			
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	71	35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.18	0.18	U	9.3
Total-PeCDD	1	0.538	0.24		46
Total-HxCDD	0	<0.20	0.20	U	46
Total-HpCDD	0	<0.22	0.22	U	46
Total-TCDF	1	0.928	0.31		9.3
Total-PeCDF	1	0.425	0.27		46
Total-HxCDF	1	0.250	0.21		46
Total-HpCDF	1	0.477	0.37		46

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.584
Mid Point PCDD/F TEQ (WHO 2005)	0.910
Upper Bound PCDD/F TEQ (WHO 2005)	1.03

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**Duplicate**	Sampling Date	n/a		
ALS Sample ID	WG3789832-4	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.39	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B10
Run Date	25-Jul-24 16:57
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	28.57	0.146	0.14	M,J		7.2
1,2,3,7,8-PeCDD	1	31.60	0.332	0.22	M,J		36
1,2,3,4,7,8-HxCDD	0.1	33.81	<0.18	0.18	M,U	0.14	36
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.20	0.20	M,U	0.13	36
1,2,3,7,8,9-HxCDD	0.1	34.09	<0.18	0.18	M,U		36
1,2,3,4,6,7,8-HpCDD	0.01	36.39	<0.39	0.13	J,R	0.39	36
OCDD	0.0003	39.32	1.58	0.20	J		72
2,3,7,8-TCDF	0.1	28.06	<0.57	0.25	M,J,R	0.57	7.2
1,2,3,7,8-PeCDF	0.03	30.87	<0.38	0.27	M,J,R	0.38	36
2,3,4,7,8-PeCDF	0.3	31.50	<0.19	0.19	M,U	0.18	36
1,2,3,4,7,8-HxCDF	0.1	33.24	0.147	0.12	M,J		36
1,2,3,6,7,8-HxCDF	0.1	33.32	<0.14	0.11	M,J,R	0.14	36
2,3,4,6,7,8-HxCDF	0.1	33.77	<0.23	0.11	M,J,R	0.23	36
1,2,3,7,8,9-HxCDF	0.1	34.46	<0.21	0.14	J,R	0.21	36
1,2,3,4,6,7,8-HpCDF	0.01	35.43	<0.29	0.091	J,R	0.29	36
1,2,3,4,7,8,9-HpCDF	0.01	37.06	0.304	0.13	M,J		36
OCDF	0.0003	39.68	0.631	0.16	M,J,B		72

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	81 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.60	87 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	87 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	87 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	89 23-140
13C12-OCDD	4000	39.30	86 17-157
13C12-2,3,7,8-TCDF	2000	28.04	73 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.87	71 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	89 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	81 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	86 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	86 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.45	86 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	82 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	77 26-138

Cleanup Standard	**pg**		
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	93 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	1	0.146	0.14		7.2
Total-PeCDD	1	0.332	0.22		36
Total-HxCDD	0	<0.20	0.20	U	36
Total-HpCDD	0	<0.13	0.13	U	36
Total-TCDF	1	0.482	0.25		7.2
Total-PeCDF	0	<0.27	0.27	U	36
Total-HxCDF	1	0.147	0.14		36
Total-HpCDF	1	0.304	0.13		36

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.496
Mid Point PCDD/F TEQ (WHO 2005)	0.686
Upper Bound PCDD/F TEQ (WHO 2005)	0.743

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240528107**	Samoline Date	27-May-24		Approved:
ALS Sample ID	L2756004-12	Extraction Date	18-Jul-24		M.Elchawiche
Analysis Method	EPA 1613B	Sample Size	1.00	g	--e-signature--
Analysis Type	Sample	Percent Moisture	n/a		26-Jul-2024
Sample Matrix	Tissue	Split Ratio	2		

Run Information	**Run 1**
Filename	12-240725B11
Run Date	25-Jul-24 17:42
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	28.56	<0.20	0.20	M,U	0.18	10
1,2,3,7,8-PeCDD	1	31.58	<0.60	0.51	J,R	0.60	50
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.19	0.19	U		50
1,2,3,6,7,8-HxCDD	0.1	33.88	<0.20	0.20	M,U	0.058	50
1,2,3,7,8,9-HxCDD	0.1	34.06	<0.18	0.18	M,U	0.17	50
1,2,3,4,6,7,8-HpCDD	0.01	36.40	<0.46	0.25	J,R	0.46	50
OCDD	0.0003	39.29	2.39	0.71	M,J		100
2,3,7,8-TCDF	0.1	28.03	<0.30	0.30	M,U	0.24	10
1,2,3,7,8-PeCDF	0.03	30.89	<0.53	0.29	M,J,R	0.53	50
2,3,4,7,8-PeCDF	0.3	31.49	<0.22	0.22	M,U	0.16	50
1,2,3,4,7,8-HxCDF	0.1	33.24	<0.25	0.25	U		50
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.26	0.26	U	0.17	50
2,3,4,6,7,8-HxCDF	0.1	33.75	<0.26	0.26	M,U	0.22	50
1,2,3,7,8,9-HxCDF	0.1	34.45	<0.34	0.34	U	0.25	50
1,2,3,4,6,7,8-HpCDF	0.01	35.43	<0.36	0.36	U	0.31	50
1,2,3,4,7,8,9-HpCDF	0.01	37.06	<0.58	0.48	M,J,R	0.58	50
OCDF	0.0003	39.67	<0.85	0.44	M,J,R	0.85	100

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.56	64 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	69 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.79	71 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.87	66 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.37	67 23-140
13C12-OCDD	4000	39.30	61 17-157
13C12-2,3,7,8-TCDF	2000	28.03	59 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	58 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.47	75 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.22	66 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.31	67 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.74	66 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.45	65 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.41	62 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.03	58 26-138

Cleanup Standard	**pg**			
?C14-2.3.7.8-TCDD (Cleanup)	40	28.57	73	35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.20	0.20	U	10
Total-PeCDD	0	<0.51	0.51	U	50
Total-HxCDD	1	0.294	0.20		50
Total-HpCDD	0	<0.25	0.25	U	50
Total-TCDF	0	<0.30	0.30	U	10
Total-PeCDF	1	0.291	0.29		50
Total-HxCDF	0	<0.34	0.34	U	50
Total-HpCDF	0	<0.48	0.48	U	50

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.000717
Mid Point PCDD/F TEQ (WHO 2005)	0.861
Upper Bound PCDD/F TEQ (WHO 2005)	1.09

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240528117**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-32	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.08	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B12
Run Date	25-Jul-24 18:26
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wet
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.19	0.19	U		9.3
1,2,3,7,8-PeCDD	1	31.60	<0.24	0.24	M,U	0.14	46
1,2,3,4,7,8-HxCDD	0.1	33.80	<0.29	0.23	M,J,R	0.29	46
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.26	0.26	M,U	0.066	46
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.30	0.23	M,J,R	0.30	46
1,2,3,4,6,7,8-HpCDD	0.01	36.40	0.587	0.11	J,B		46
OCDD	0.0003	39.32	<2.4	0.40	M,J,R	2.4	93
2,3,7,8-TCDF	0.1	Notfnd	<0.20	0.20	U		9.3
1,2,3,7,8-PeCDF	0.03	30.87	0.499	0.26	M,J,B		46
2,3,4,7,8-PeCDF	0.3	31.49	<0.24	0.19	M,J,R	0.24	46
1,2,3,4,7,8-HxCDF	0.1	33.23	0.236	0.19	M,J		46
1,2,3,6,7,8-HxCDF	0.1	33.34	<0.18	0.18	M,U	0.088	46
2,3,4,6,7,8-HxCDF	0.1	33.76	<0.17	0.17	M,U	0.093	46
1,2,3,7,8,9-HxCDF	0.1	34.47	<0.27	0.22	M,J,R	0.27	46
1,2,3,4,6,7,8-HpCDF	0.01	35.43	<0.26	0.15	J,R	0.26	46
1,2,3,4,7,8,9-HpCDF	0.01	37.06	<0.23	0.23	M,U		46
OCDF	0.0003	39.68	0.759	0.31	J,B		93

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	63 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	75 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	75 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	76 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	76 23-140
13C12-OCDD	4000	39.30	75 17-157
13C12-2,3,7,8-TCDF	2000	28.03	60 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	62 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	77 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	70 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	75 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	77 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.45	77 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	73 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	63 26-138

Cleanup Standard	**pg**		
?C14-2,3,7,8-TCDD (Cleanup)	40	28.59	75 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.19	0.19	U	9.3
Total-PeCDD	0	<0.24	0.24	U	46
Total-HxCDD	0	<0.26	0.26	U	46
Total-HpCDD	1	0.587	0.11		46
Total-TCDF	0	<0.20	0.20	U	9.3
Total-PeCDF	1	0.499	0.26		46
Total-HxCDF	1	0.236	0.22		46
Total-HpCDF	0	<0.23	0.23	U	46

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0447
Mid Point PCDD/F TEQ (WHO 2005)	0.463
Upper Bound PCDD/F TEQ (WHO 2005)	0.719

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529124**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-46	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.25	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B13
Run Date	25-Jul-24 19:11
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.25	0.25	U		8.0
1,2,3,7,8-PeCDD	1	31.60	<0.38	0.38	M,U	0.26	40
1,2,3,4,7,8-HxCDD	0.1	33.80	<0.39	0.39	M,U	0.097	40
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.39	0.39	M,U		40
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.37	0.37	M,U	0.21	40
1,2,3,4,6,7,8-HpCDD	0.01	36.40	<0.53	0.12	J,R	0.53	40
OCDD	0.0003	39.32	<2.1	0.64	J,R	2.1	80
2,3,7,8-TCDF	0.1	28.07	<0.32	0.32	M,U	0.14	8.0
1,2,3,7,8-PeCDF	0.03	30.87	<0.34	0.34	M,U	0.34	40
2,3,4,7,8-PeCDF	0.3	31.50	<0.24	0.24	M,U	0.077	40
1,2,3,4,7,8-HxCDF	0.1	33.24	<0.20	0.20	M,U	0.13	40
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.20	0.20	M,U	0.11	40
2,3,4,6,7,8-HxCDF	0.1	33.76	<0.21	0.21	M,U	0.19	40
1,2,3,7,8,9-HxCDF	0.1	34.47	<0.26	0.26	M,U		40
1,2,3,4,6,7,8-HpCDF	0.01	35.44	<0.41	0.18	M,J,R	0.41	40
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.26	0.26	U		40
OCDF	0.0003	39.71	1.12	0.43	M,J,B		80

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	47 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.60	55 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	56 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	54 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	56 23-140
13C12-OCDD	4000	39.31	51 17-157
13C12-2,3,7,8-TCDF	2000	28.04	45 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	47 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	59 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	53 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	53 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	53 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	55 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	51 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	47 26-138

Cleanup Standard	**pg**
?C14-2.3.7.8-TCDD (Cleanup)	40 28.59 54 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.25	0.25	U	8.0
Total-PeCDD	0	<0.38	0.38	U	40
Total-HxCDD	0	<0.39	0.39	U	40
Total-HpCDD	1	0.549	0.12		40
Total-TCDF	0	<0.32	0.32	U	8.0
Total-PeCDF	0	<0.34	0.34	U	40
Total-HxCDF	0	<0.26	0.26	U	40
Total-HpCDF	0	<0.26	0.26	U	40

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.000336
Mid Point PCDD/F TEQ (WHO 2005)	0.485
Upper Bound PCDD/F TEQ (WHO 2005)	0.959

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529126**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-50	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.23	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B14
Run Date	25-Jul-24 19:56
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.39	0.39	U		8.1
1,2,3,7,8-PeCDD	1	Notfnd	<0.23	0.23	U		41
1,2,3,4,7,8-HxCDD	0.1	33.80	<0.30	0.30	M,U	0.12	41
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.44	0.29	M,J,R	0.44	41
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.40	0.29	J,R	0.40	41
1,2,3,4,6,7,8-HpCDD	0.01	36.39	2.65	0.38	J,B		41
OCDD	0.0003	39.32	<7.3	0.39	J,R	7.3	81
2,3,7,8-TCDF	0.1	28.04	<0.73	0.32	M,J,R	0.73	8.1
1,2,3,7,8-PeCDF	0.03	30.89	0.595	0.31	M,J,B		41
2,3,4,7,8-PeCDF	0.3	31.50	<0.57	0.21	M,J,R	0.57	41
1,2,3,4,7,8-HxCDF	0.1	33.24	<0.21	0.21	M,U	0.18	41
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.20	0.20	M,U	0.11	41
2,3,4,6,7,8-HxCDF	0.1	33.75	0.451	0.21	J,B		41
1,2,3,7,8,9-HxCDF	0.1	34.47	<0.27	0.27	M,U		41
1,2,3,4,6,7,8-HpCDF	0.01	35.44	1.40	0.23	J		41
1,2,3,4,7,8,9-HpCDF	0.01	37.04	<0.38	0.32	M,J,R	0.38	41
OCDF	0.0003	39.67	<2.1	0.21	J,R	2.1	81

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	53 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	62 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	63 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	61 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	66 23-140
13C12-OCDD	4000	39.31	67 17-157
13C12-2,3,7,8-TCDF	2000	28.03	49 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	52 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	66 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	62 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	63 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	65 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	66 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	62 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	58 26-138

Cleanup Standard	**pg**		
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	63 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.39	0.39	U	8.1
Total-PeCDD	0	<0.23	0.23	U	41
Total-HxCDD	0	<0.30	0.30	U	41
Total-HpCDD	2	5.30	0.38		41
Total-TCDF	1	0.332	0.32		8.1
Total-PeCDF	2	1.32	0.31		41
Total-HxCDF	2	0.700	0.27		41
Total-HpCDF	1	1.40	0.32		41

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.103
Mid Point PCDD/F TEQ (WHO 2005)	0.797
Upper Bound PCDD/F TEQ (WHO 2005)	1.16

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529128**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-52	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.13	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B21
Run Date	25-Jul-24 23:22
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.42	0.42		U	8.9
1,2,3,7,8-PeCDD	1	31.58	<0.40	0.40	M,U	0.17	44
1,2,3,4,7,8-HxCDD	0.1	33.81	<0.15	0.15	M,U	0.055	44
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.15	0.15	M,U	0.094	44
1,2,3,7,8,9-HxCDD	0.1	34.09	<0.24	0.14	J,R	0.24	44
1,2,3,4,6,7,8-HpCDD	0.01	36.40	2.54	0.22	J,B		44
OCDD	0.0003	39.33	<4.5	0.44	J,R	4.5	88
2,3,7,8-TCDF	0.1	28.04	<0.36	0.34	M,J,R	0.36	8.9
1,2,3,7,8-PeCDF	0.03	30.87	<0.33	0.33	M,U	0.25	44
2,3,4,7,8-PeCDF	0.3	31.50	<0.23	0.23	M,U	0.064	44
1,2,3,4,7,8-HxCDF	0.1	33.24	<0.19	0.19	M,U	0.19	44
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.19	0.19	M,U	0.17	44
2,3,4,6,7,8-HxCDF	0.1	33.77	<0.26	0.19	J,R	0.26	44
1,2,3,7,8,9-HxCDF	0.1	34.46	<0.23	0.23	M,U	0.21	44
1,2,3,4,6,7,8-HpCDF	0.01	35.45	<0.57	0.42	M,J,R	0.57	44
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.59	0.59	U		44
OCDF	0.0003	39.72	<1.0	0.40	M,J,R	1.0	88

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	52 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.60	61 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	62 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	60 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	64 23-140
13C12-OCDD	4000	39.32	63 17-157
13C12-2,3,7,8-TCDF	2000	28.03	48 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	52 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	66 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	57 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	60 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	62 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	64 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.44	59 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	57 26-138

Cleanup Standard	**pg**		
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	63 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.42	0.42	U	8.9
Total-PeCDD	0	<0.40	0.40	U	44
Total-HxCDD	1	0.314	0.15		44
Total-HpCDD	1	2.54	0.22		44
Total-TCDF	0	<0.34	0.34	U	8.9
Total-PeCDF	0	<0.33	0.33	U	44
Total-HxCDF	0	<0.23	0.23	U	44
Total-HpCDF	0	<0.59	0.59	U	44

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0254
Mid Point PCDD/F TEQ (WHO 2005)	0.617
Upper Bound PCDD/F TEQ (WHO 2005)	1.11

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240529129**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-54	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.31	g	M.Elchawiche
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B2
Run Date	26-Jul-24 00:07
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	28.61	<0.16	0.16	M,U	0.13	7.6
1,2,3,7,8-PeCDD	1	31.60	<0.27	0.27	M,U	0.15	38
1,2,3,4,7,8-HxCDD	0.1	33.81	<0.18	0.18	M,U	0.092	38
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.18	0.18	M,U		38
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.18	0.18	M,U	0.062	38
1,2,3,4,6,7,8-HpCDD	0.01	36.39	<0.63	0.63	U	0.34	38
OCDD	0.0003	39.33	1.55	0.30	M,J		76
2,3,7,8-TCDF	0.1	28.06	<0.58	0.19	M,J,R	0.58	7.6
1,2,3,7,8-PeCDF	0.03	30.87	<0.22	0.22	M,U	0.12	38
2,3,4,7,8-PeCDF	0.3	31.49	<0.21	0.16	M,J,R	0.21	38
1,2,3,4,7,8-HxCDF	0.1	33.22	<0.18	0.12	M,J,R	0.18	38
1,2,3,6,7,8-HxCDF	0.1	33.35	<0.14	0.12	M,J,R	0.14	38
2,3,4,6,7,8-HxCDF	0.1	33.75	<0.13	0.12	M,J,R	0.13	38
1,2,3,7,8,9-HxCDF	0.1	34.47	<0.15	0.15	M,U		38
1,2,3,4,6,7,8-HpCDF	0.01	35.48	<0.32	0.32	M,U	0.24	38
1,2,3,4,7,8,9-HpCDF	0.01	Notfnd	<0.44	0.44	U		38
OCDF	0.0003	39.72	0.617	0.15	M,J,B		76

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	60 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.60	68 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	74 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	70 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	73 23-140
13C12-OCDD	4000	39.32	73 17-157
13C12-2,3,7,8-TCDF	2000	28.03	55 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	59 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	71 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	69 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	71 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	69 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	72 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.44	71 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	65 26-138

Cleanup Standard	**pg**		
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	69 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.16	0.16	U	7.6
Total-PeCDD	0	<0.27	0.27	U	38
Total-HxCDD	0	<0.18	0.18	U	38
Total-HpCDD	0	<0.63	0.63	U	38
Total-TCDF	0	<0.19	0.19	U	7.6
Total-PeCDF	0	<0.22	0.22	U	38
Total-HxCDF	0	<0.15	0.15	U	38
Total-HpCDF	0	<0.44	0.44	U	38

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.000650
Mid Point PCDD/F TEQ (WHO 2005)	0.426
Upper Bound PCDD/F TEQ (WHO 2005)	0.686

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530134**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-64	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.36	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B23
Run Date	26-Jul-24 00:52
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. ±/o wwt**	**EDL /o wwt**	**Flags**		**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.20	0.20		U		7.4
1,2,3,7,8-PeCDD	1	31.60	<0.37	0.21	J,R		0.37	37
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.18	0.18		U		37
1,2,3,6,7,8-HxCDD	0.1	33.87	<0.17	0.17	M,U		0.12	37
1,2,3,7,8,9-HxCDD	0.1	34.07	<0.17	0.17	M,U		0.16	37
1,2,3,4,6,7,8-HpCDD	0.01	36.39	<0.67	0.20	J,R		0.67	37
OCDD	0.0003	39.31	<1.7	0.50	M,J,R		1.7	74
2,3,7,8-TCDF	0.1	28.03	<0.27	0.27	M,U		0.27	7.4
1,2,3,7,8-PeCDF	0.03	30.86	0.493	0.28	J,B			7.4
2,3,4,7,8-PeCDF	0.3	31.47	<0.22	0.22	M,U		0.20	37
1,2,3,4,7,8-HxCDF	0.1	33.23	<0.093	0.093	M,U		0.060	37
1,2,3,6,7,8-HxCDF	0.1	33.32	<0.13	0.10	M,J,R		0.13	37
2,3,4,6,7,8-HxCDF	0.1	33.71	<0.10	0.10	M,U		0.041	37
1,2,3,7,8,9-HxCDF	0.1	34.46	<0.14	0.13	M,J,R		0.14	37
1,2,3,4,6,7,8-HpCDF	0.01	35.43	<0.35	0.077	J,R		0.35	37
1,2,3,4,7,8,9-HpCDF	0.01	37.04	<0.31	0.11	M,J,R		0.31	37
OCDF	0.0003	39.66	0.797	0.44	M,J,B			74

Extraction Standards	**pg**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.56	49	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	56	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	58	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.87	56	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.37	58	23-140
13C12-OCDD	4000	39.31	56	17-157
13C12-2,3,7,8-TCDF	2000	28.03	47	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	49	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.47	59	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.22	56	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.31	56	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.74	57	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.45	56	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	56	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	50	26-138

Cleanup Standard	**pg**			
?C14-2.3.7.8-TCDD (Cleanup)	40	28.57	56	35-197

Homologue Group Totals	**# peaks**	**Conc. ±/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.20	0.20	U	7.4
Total-PeCDD	0	<0.21	0.21	U	37
Total-HxCDD	0	<0.18	0.18	U	37
Total-HpCDD	0	<0.20	0.20	U	37
Total-TCDF	0	<0.27	0.27	U	7.4
Total-PeCDF	1	0.493	0.28		37
Total-HxCDF	0	<0.13	0.13	U	37
Total-HpCDF	0	<0.11	0.11	U	37

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0150
Mid Point PCDD/F TEQ (WHO 2005)	0.608
Upper Bound PCDD/F TEQ (WHO 2005)	0.790

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530135**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-66	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.25	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B24
Run Date	26-Jul-24 01:37
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC a wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.15	0.15	U		8.0
1,2,3,7,8-PeCDD	1	31.60	<0.37	0.37	M,U	0.16	40
1,2,3,4,7,8-HxCDD	0.1	33.81	<0.39	0.39	M,U	0.12	40
1,2,3,6,7,8-HxCDD	0.1	33.90	<0.37	0.37	M,U	0.21	40
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.36	0.36	M,U	0.16	40
1,2,3,4,6,7,8-HpCDD	0.01	36.41	<1.1	0.14	M,J,R	1.1	40
OCDD	0.0003	39.33	<2.5	0.20	M,J,R	2.5	80
2,3,7,8-TCDF	0.1	28.04	<0.43	0.30	M,J,R	0.43	8.0
1,2,3,7,8-PeCDF	0.03	30.87	0.489	0.26	M,J,B		40
2,3,4,7,8-PeCDF	0.3	31.50	<0.28	0.20	J,R	0.28	40
1,2,3,4,7,8-HxCDF	0.1	33.23	<0.17	0.11	J,R	0.17	40
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.21	0.11	J,R	0.21	40
2,3,4,6,7,8-HxCDF	0.1	33.76	<0.12	0.11	M,J,R	0.12	40
1,2,3,7,8,9-HxCDF	0.1	34.47	0.148	0.13	M,J		40
1,2,3,4,6,7,8-HpCDF	0.01	35.43	0.587	0.27	J		40
1,2,3,4,7,8,9-HpCDF	0.01	37.04	<0.37	0.37	M,U	0.36	40
OCDF	0.0003	39.73	0.801	0.25	M,J,B		80

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	59 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	68 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	72 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	72 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	78 23-140
13C12-OCDD	4000	39.31	77 17-157
13C12-2,3,7,8-TCDF	2000	28.03	55 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	59 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	70 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	68 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	71 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	73 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	75 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	72 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	67 26-138

Cleanup Standard	**pg**		
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	70 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.15	0.15	U	8.0
Total-PeCDD	0	<0.37	0.37	U	40
Total-HxCDD	0	<0.39	0.39	U	40
Total-HpCDD	0	<0.14	0.14	U	40
Total-TCDF	1	0.347	0.30		8.0
Total-PeCDF	1	0.489	0.26		40
Total-HxCDF	1	0.148	0.13		40
Total-HpCDF	1	0.587	0.37		40

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0356
Mid Point PCDD/F TEQ (WHO 2005)	0.542
Upper Bound PCDD/F TEQ (WHO 2005)	0.860

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530136**	Samoling Date	27-May-24		Approved:
ALS Sample ID	L2756004-68	Extraction Date	18-Jul-24		*M.Elchawiche*
Analysis Method	EPA 1613B	Sample Size	1.24	g	--e-signature--
Analysis Type	Sample	Percent Moisture	n/a		26-Jul-2024
Sample Matrix	Tissue	Split Ratio	2		

Run Information	**Run 1**
Filename	12-240725B25
Run Date	26-Jul-24 02:21
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.23	0.23	U		8.1
1,2,3,7,8-PeCDD	1	31.60	0.375	0.28	M,J		40
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.23	0.23	U		40
1,2,3,6,7,8-HxCDD	0.1	33.88	<0.22	0.22	M,U	0.13	40
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.22	0.22	M,J,R	0.22	40
1,2,3,4,6,7,8-HpCDD	0.01	36.39	0.763	0.16	J,B		40
OCDD	0.0003	39.32	<2.6	0.43	M,J,R	2.6	81
2,3,7,8-TCDF	0.1	28.04	<0.33	0.33	M,U	0.11	8.1
1,2,3,7,8-PeCDF	0.03	30.87	0.425	0.31	J,B		40
2,3,4,7,8-PeCDF	0.3	31.49	<0.25	0.24	M,J,R	0.25	40
1,2,3,4,7,8-HxCDF	0.1	33.23	<0.13	0.10	M,J,R	0.13	40
1,2,3,6,7,8-HxCDF	0.1	33.32	<0.11	0.11	M,U	0.086	40
2,3,4,6,7,8-HxCDF	0.1	33.76	0.166	0.11	M,J,B		40
1,2,3,7,8,9-HxCDF	0.1	34.46	0.227	0.13	M,J		40
1,2,3,4,6,7,8-HpCDF	0.01	35.44	<0.48	0.47	J,R	0.48	40
1,2,3,4,7,8,9-HpCDF	0.01	37.04	<0.70	0.70	M,U	0.47	40
OCDF	0.0003	39.71	<1.0	0.35	M,J,R	1.0	81

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.56	50 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	55 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	54 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.87	53 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.37	58 23-140
13C12-OCDD	4000	39.30	57 17-157
13C12-2,3,7,8-TCDF	2000	28.03	46 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	49 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.47	60 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.22	53 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.31	54 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.74	53 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.45	56 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	54 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.03	51 26-138

Cleanup Standard	**pg**		
?C14-2,3,7,8-TCDD (Cleanup)	40	28.57	64 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.23	0.23	U	8.1
Total-PeCDD	1	0.375	0.28		40
Total-HxCDD	0	<0.23	0.23	U	40
Total-HpCDD	1	0.763	0.16		40
Total-TCDF	0	<0.33	0.33	U	8.1
Total-PeCDF	1	0.425	0.31		40
Total-HxCDF	2	0.393	0.13		40
Total-HpCDF	0	<0.70	0.70	U	40

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.435
Mid Point PCDD/F TEQ (WHO 2005)	0.714
Upper Bound PCDD/F TEQ (WHO 2005)	0.877

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Sample Analysis Report

Sample Name	**15867240530137**	Samoline Date	27-May-24		
ALS Sample ID	L2756004-70	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.26	g	*M.Elchawiche*
Analysis Type	Sample	Percent Moisture	n/a		--e-signature--
Sample Matrix	Tissue	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B26
Run Date	26-Jul-24 03:06
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**		**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	Notfnd	<0.58	0.58	U			7.9
1,2,3,7,8-PeCDD	1	Notfnd	<0.26	0.26	U			40
1,2,3,4,7,8-HxCDD	0.1	33.81	<0.32	0.29	M,J,R	0.32		40
1,2,3,6,7,8-HxCDD	0.1	Notfnd	<0.29	0.29	U			40
1,2,3,7,8,9-HxCDD	0.1	34.09	<0.28	0.28	M,U	0.16		40
1,2,3,4,6,7,8-HpCDD	0.01	36.40	<0.31	0.31	M,U			40
OCDD	0.0003	39.33	<2.3	1.0	J,R	2.3		79
2,3,7,8-TCDF	0.1	28.04	0.662	0.40	J			7.9
1,2,3,7,8-PeCDF	0.03	30.86	<0.46	0.36	M,J,R	0.46		40
2,3,4,7,8-PeCDF	0.3	31.49	<0.34	0.27	M,J,R	0.34		40
1,2,3,4,7,8-HxCDF	0.1	Notfnd	<0.20	0.20	U			40
1,2,3,6,7,8-HxCDF	0.1	33.33	<0.19	0.19	M,U	0.11		40
2,3,4,6,7,8-HxCDF	0.1	33.77	<0.19	0.19	M,U			40
1,2,3,7,8,9-HxCDF	0.1	34.47	<0.25	0.25	M,U			40
1,2,3,4,6,7,8-HpCDF	0.01	35.43	<0.36	0.36	M,U	0.29		40
1,2,3,4,7,8,9-HpCDF	0.01	37.04	<0.50	0.50	M,U	0.43		40
OCDF	0.0003	39.70	0.892	0.29	M,J,B			79

Extraction Standards	**pg**	**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.57	38 25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	46 25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.80	45 32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	48 28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	51 23-140
13C12-OCDD	4000	39.31	51 17-157
13C12-2,3,7,8-TCDF	2000	28.03	36 24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	39 24-185
13C12-2,3,4,7,8-PeCDF	2000	31.49	48 21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	45 26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.32	46 26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.75	47 28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.45	49 29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.43	46 28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	43 26-138

Cleanup Standard	**pg**		
?C14-2.3.7.8-TCDD (Cleanup)	40	28.59	64 35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.58	0.58	U	7.9
Total-PeCDD	0	<0.26	0.26	U	40
Total-HxCDD	0	<0.29	0.29	U	40
Total-HpCDD	0	<0.31	0.31	U	40
Total-TCDF	2	1.86	0.40		7.9
Total-PeCDF	0	<0.36	0.36	U	40
Total-HxCDF	2	0.350	0.25		40
Total-HpCDF	0	<0.50	0.50	U	40

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.0665
Mid Point PCDD/F TEQ (WHO 2005)	0.711
Upper Bound PCDD/F TEQ (WHO 2005)	1.21

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
B	Indicates that this target was detected in the blank at greater than 10% of the sample concentration.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 3: METHOD SUMMARY

PCDD/F METHOD SUMMARY
Methods 23/0023A/1613B/8290/TO-9A

Introduction:

This summary is to provide ALSE Burlington PCDD/F method details in order to provide persons reviewing or validating this data package sufficient information to re-construct the sample calculation, data verification and review. It incorporates the analysis of PCDD/F via the following reference methods:

US EPA Office of Water, Method 1613B
US EPA Office of Solid Waste, SW846 Methods 8290A and 0023/8290A
US EPA Office of Research & Development Method TO-9A.
US EPA Office of Air Quality Planning & Standards Method 23.

Any deviations to what is listed herein would be listed in the project narrative.

To avoid the confusion and conflicting nomenclature within the methods, we have defined the labeled standards in terms relating to the time of addition to the sample or extract. Therefore;

The Field or Sampling Standards are added prior to field sampling
The Extraction Standards are added prior to extraction
The Clean-up Standards are added prior to extract clean-up
The Injection Standards are added prior to extract injection.

Calibration Standard Levels:

Six levels of standard are available for calibration as listed in Table 1. The low point (the CS0) is below method requirements and therefore is optional.

Table 1: Calibration Standards

		CS0	CS1	CS2	CS3	CS4	CS5
Natives	2,3,7,8-TCDD	0.1	0.5	2	10	40	200
	2,3,7,8-TCDF	0.1	0.5	2	10	40	200
	1,2,3,7,8-PeCDD	0.5	2.5	10	50	200	1000
	1,2,3,7,8-PeCDF	0.5	2.5	10	50	200	1000
	2,3,4,7,8-PeCDF	0.5	2.5	10	50	200	1000
	1,2,3,4,7,8-HxCDD	0.5	2.5	10	50	200	1000
	1,2,3,6,7,8-HxCDD	0.5	2.5	10	50	200	1000
	1,2,3,7,8,9-HxCDD	0.5	2.5	10	50	200	1000
	1,2,3,4,7,8-HxCDF	0.5	2.5	10	50	200	1000
	1,2,3,6,7,8-HxCDF	0.5	2.5	10	50	200	1000
	1,2,3,7,8,9-HxCDF	0.5	2.5	10	50	200	1000
	2,3,4,6,7,8-HxCDF	0.5	2.5	10	50	200	1000
	1,2,3,4,6,7,8-HpCDD	0.5	2.5	10	50	200	1000
	1,2,3,4,6,7,8-HpCDF	0.5	2.5	10	50	200	1000
	1,2,3,4,7,8,9-HpCDF	0.5	2.5	10	50	200	1000
	OCDD	1	5	20	100	400	2000
	OCDF	1	5	20	100	400	2000
Labeled	2,3,7,8-TCDD-$^{13}C_{12}$	100	100	100	100	100	100
	2,3,7,8-TCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100	100
	2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	100	100	100	100	100
	OCDD-$^{13}C_{12}$	200	200	200	200	200	200
	2,3,7,8-TCDD-$^{37}Cl_4$	0.1	0.5	2	10	40	200
Injection	1,2,3,4-TCDD-$^{13}C_{12}$	100	100	100	100	100	100
	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	100	100	100	100	100	100

Calibration Control Limits

The initial and continuing calibration control limits for all methods are presented in Table 2 below. For the calibration CS1 and for each calibration verification CS3, the signal to noise ratio for each quantification ion labelled and non-labelled analytes must be greater than or equal to 10:1

Table 2: Calibration Control Limits

	1613B		M23 & TO-9A		8290A	
	Initial Cal.	Cal. Ver.	Initial Cal.	Cal. Ver.	Initial Cal.	Cal. Ver.
	%RSD	ng/mL	%RSD	% Diff	%RSD	% Diff
Natives						
2,3,7,8-TCDD	20	7.8-12.9	25	25	20	20*
2,3,7,8-TCDF	20	8.4-12.0	25	25	20	20*
1,2,3,7,8-PeCDD	20	39-65	25	25	20	20*
1,2,3,7,8-PeCDF	20	41-60	25	25	20	20*
2,3,4,7,8-PeCDF	20	41-61	25	25	20	20*
1,2,3,4,7,8-HxCDD	20	39-64	25	25	20	20*
1,2,3,6,7,8-HxCDD	20	39-64	25	25	20	20*
1,2,3,7,8,9-HxCDD	35	41-61	25	25	20	20*
1,2,3,4,7,8-HxCDF	20	45-56	25	25	20	20*
1,2,3,6,7,8-HxCDF	20	44-57	25	25	20	20*
1,2,3,7,8,9-HxCDF	20	45-56	25	25	20	20*
2,3,4,6,7,8-HxCDF	20	44-57	25	25	20	20*
1,2,3,4,6,7,8-HpCDD	20	43-58	25	25	20	20*
1,2,3,4,6,7,8-HpCDF	20	45-55	25	25	20	20*
1,2,3,4,7,8,9-HpCDF	20	43-58	25	25	20	20*
OCDD	20	79-126	25	25	20	20*
OCDF	35	63-159	30	30	20	20*
Labels						
2,3,7,8-TCDD-$^{13}C_{12}$	35	82-121	25	25	30	30**
2,3,7,8-TCDF-$^{13}C_{12}$	35	71-140	30	30	30	30**
1,2,3,7,8-PeCDD-$^{13}C_{12}$	35	62-160	30	30	30	30**
1,2,3,7,8-PeCDF-$^{13}C_{12}$	35	76-130	30	30	30	30**
2,3,4,7,8-PeCDF-$^{13}C_{12}$	35	77-130	25	25	30	30**
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	35	85-117	25	25	30	30**
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	35	85-118	25	25	30	30**
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	35	76-131	25	25	30	30**
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	35	70-143	30	30	30	30**
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	35	74-135	-	-	-	-
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	35	73-137	30	30	30	30**
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	35	72-138	30	30	30	30**
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	35	78-129	30	30	30	30**
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	35	77-129	25	25	30	30**
OCDD-$^{13}C_{12}$	35	96-415	30	30	30	30**
2,3,7,8-TCDD-$^{37}Cl_4$	35	7.9-12.7	25	25	30	30**

* 25% is allowed for a post-run verification but when the value is above 20%, then the analyte quantification must be as per 8290A Section 8.3.2.4 and corrective action is required before more samples can be analyzed.
**35% is allowed for a post-run verification but when the value is above 30%, then the analyte quantification must be as per 8290A Section 8.3.2.4 and corrective action is required before more samples can be analyzed.

LCS Criteria:

The laboratory control sample (LCS) or the On-Going Precision and Accuracy (OPR) recovery criteria are listed in Table 3

Table 3: Acceptance Criteria for IPR and OPR[a]

	Test Conc.	IPR		OPR
		s[b]	X[c]	
	ng/L	ng/L	ng/L	ng/L
Natives				
2,3,7,8-TCDD	10	2.8	8.3-12.9	6.7-15.8
2,3,7,8-TCDF	10	2	8.7-13.7	7.5-15.8
1,2,3,7,8-PeCDD	50	7.5	38-66	35-71
1,2,3,7,8-PeCDF	50	7.5	43-62	40-67
2,3,4,7,8-PeCDF	50	8.6	36-75	34-80
1,2,3,4,7,8-HxCDD	50	9.4	39-76	35-82
1,2,3,6,7,8-HxCDD	50	7.7	42-62	38-67
1,2,3,7,8,9-HxCDD	50	11.1	37-71	32-81
1,2,3,4,7,8-HxCDF	50	8.7	41-59	36-67
1,2,3,6,7,8-HxCDF	50	6.7	46-60	42-65
1,2,3,7,8,9-HxCDF	50	6.4	42-61	39-65
2,3,4,6,7,8-HxCDF	50	7.4	37-74	35-78
1,2,3,4,6,7,8-HpCDD	50	7.7	38-65	35-70
1,2,3,4,6,7,8-HpCDF	50	6.3	45-56	41-61
1,2,3,4,7,8,9-HpCDF	50	8.1	43-63	39-69
OCDD	100	19	89-127	78-144
OCDF	100	27	74-146	63-170
Labels				
2,3,7,8-TCDD-$^{13}C_{12}$	100	37	28-134	20-175
2,3,7,8-TCDF-$^{13}C_{12}$	100	35	31-113	22-152
1,2,3,7,8-PeCDD-$^{13}C_{12}$	100	39	27-184	21-227
1,2,3,7,8-PeCDF-$^{13}C_{12}$	100	34	27-156	21-192
2,3,4,7,8-PeCDF-$^{13}C_{12}$	100	38	16-297	13-328
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	100	41	29-147	21-193
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	100	38	34-122	25-163
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	100	43	27-152	19-202
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	100	35	30-122	21-159
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	100	40	24-157	17-205
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	100	37	29-136	22-176
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	100	35	34-129	26-166
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	100	41	32-110	21-158
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	100	40	28-141	20-186
OCDD-$^{13}C_{12}$	200	95	41-276	26-397
2,3,7,8-TCDD-$^{37}Cl_4$	10	3.6	3.9-15.4	3.1-19.1

[a] Assuming a final volume of 20uL
[b] s = standard deviation
[c] X = Average Concentration

Extraction/Clean-up & Sampling Standard Recovery Limts:

Table 4: Extraction, Clean-up, Injection & Sampling Standard Recovery Limits

	1613B or 8290A (non Stack)		M23 or 0023A/8290A or TO-9A	
	(%Rec.)	Ref.	(%Rec.)	Ref.
Extraction Standard				
2,3,7,8-TCDD-$^{13}C_{12}$	25-164	a	40-130	b
2,3,7,8-TCDF-$^{13}C_{12}$	24-169	a	40-130	b
1,2,3,7,8-PeCDD-$^{13}C_{12}$	25-181	a	40-130	b
1,2,3,7,8-PeCDF-$^{13}C_{12}$	24-185	a	40-130	b
2,3,4,7,8-PeCDF-$^{13}C_{12}$	21-178	a	-	
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	32-141	a	-	
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	28-130	a	40-130	b
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	26-152	a	-	
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	26-123	a	40-130	b
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	29-147	a	-	
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	28-136	a	40-130	c,d
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	23-140	a	25-130	b
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	28-143	a	25-130	b
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	26-138	a	-	
OCDD-$^{13}C_{12}$	17-157	a	25-130	b
Clean-up Standard				
2,3,7,8-TCDD-$^{37}Cl_4$	35-197	a	-	
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	-		40-130	b
Injection Standard				
1,2,3,4-TCDD-$^{13}C_{12}$	30-300	d	30-300	d
1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	30-300	d	30-300	d
Sampling Standard				
2,3,7,8-TCDD-$^{37}Cl_4$	-		70-130	b
2,3,4,7,8-PeCDF-$^{13}C_{12}$	-		70-130	b
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	-		70-130	b
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	-		70-130	b
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	-		70-130	b

References & Notes

[a] from OW method 1613B

[b] from OAQPS method 23

[c] this extraction standard is not required in methods 23 and 0023A/8290A

[d] ALS In-house criteria

Reporting Limits:

Unless indicated in the otherwise, the PCDD/F data is reported down to 2.5:1 signal to noise for each isomer grouping for each extract injection. This is consistent to SW846 8290 defined protocols (i.e. EDL or Estimated Detection Limit) and is commonly applied throughout the industry to all the HRMS PCDD/F methods applicable to this method summary.

Method Blank:

The method blank levels must be below the response to the low calibration standard, CS0 or CS1, whichever low calibration point is being applied to the project.

MS/MSD:

The % relative difference between the MS and MSD spike recoveries should be less than or equal to 20%.

Instrument/Run Performance Criteria:

1 Elution windows must be defined by a 'Window Performance Mix' at the beginning of each 12-hour run sequence
2 GC performance criteria of 25% maximum valley between 2,3,7,8-TCDD and it's neared eluting isomers (DB5) or 2,3,7,8-TCDF and it's nearest eluting isomers (DB225).
3 At the beginning of and just following the end of each 12 hour run sequence, the instrument must be checked to demonstrate a resolution of 10.000 for each quantification window.
4 For method 1613B, the relative retention times (RRT) of the compounds in the daily CS3 calibration verification must fall into the ranges presented in Table 4.
5 For all calibrations, QC samples and field samples, the absolute retention time (RT) for 1,2,3,4-TCDD-13C12 must be >25.0 min on a DB5 column and >15.0 min on a DB225 column.
6 The RT in the daily CS3 verification standards must be within 15 seconds of the CS3 in the initial calibration run.
7 The maximum time between scans within a descriptor is 1 second.
8 Lock mass deviations to the average response must be less than or equal 20%.

Laboratory Duplicates:

The % relative difference between duplicates should be less than or equal to 25% but only where the response is greater than the low calibration standard.

Analyte Identification Criteria:

1 Ion ratio must be within 15% of theoretical or within 10% of the most recent CS3.
2 The retention time (RT) of the peak maxima for each pair of quantification ions must be no more than 2 seconds (i.e. 2 scans) difference.
3 The retention time (RT) of the peak maxima of all 2,3,7,8- substituted native analytes must be within -1 to +3 seconds of the RT of corresponding $^{13}C_{12}$-labelled isomer of that injection run.
4 For those native analytes without a corresponding labelled isomer, the relative retention time (RRT) must be within 0.005 of the relative retention time observed in the daily CS3 run.
5 When there is a significant PCDPE interference observed, then a peak in the PCDF channel is not confirmed to be PCDF. [Significant PCDPE interference is identified when there is a PCDPE parent ion peak 10% or more of the response of a peak at the same RT (i.e. within 2 seconds) in the corresponding PCDF channel.]
6 For any peak to be identified as a positive PCDD/F response, that peak must be within the retention time windows defined by the daily analysis of Window Performance Mixture.

Table 4: Quantitation References and Method 1613B RT References and RRT

Analyte	Stack/Ambient Quantitation Reference	Method 1613B RT Reference Solids/ Waters Quantitation Reference	Method 1613B RRT
Compounds using 1,2,3,4-TCDD-$^{13}C_{12}$ as injection standard			
2,3,7,8-TCDF	2,3,7,8-TCDF-$^{13}C_{12}$	2,3,7,8-TCDF-$^{13}C_{12}$	0.999-1.003
2,3,7,8-TCDD	2,3,7,8-TCDD-$^{13}C_{12}$	2,3,7,8-TCDD-$^{13}C_{12}$	0.999-1.002
1,2,3,7,8-PeCDF	1,2,3,7,8-PeCDF-$^{13}C_{12}$	1,2,3,7,8-PeCDF-$^{13}C_{12}$	0.999-1.002
2,3,4,7,8-PeCDF	1,2,3,7,8-PeCDF-$^{13}C_{12}$	2,3,4,7,8-PeCDF-$^{13}C_{12}$	0.999-1.002
1,2,3,7,8-PeCDD	1,2,3,7,8-PeCDD-$^{13}C_{12}$	1,2,3,7,8-PeCDD-$^{13}C_{12}$	0.999-1.002
2,3,7,8-TCDF-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	0.923-1.103
2,3,7,8-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	0.976-1.043
2,3,7,8-TCDD-$^{37}Cl_4$	2,3,7,8-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	0.989-1.052
1,2,3,7,8-PeCDF-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1.000-1.425
2,3,4,7,8-PeCDF-$^{13}C_{12}$	1,2,3,7,8-PeCDF-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1.011-1.526
1,2,3,7,8-PeCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1,2,3,4-TCDD-$^{13}C_{12}$	1.000-1.567
Compounds using 1,2,3,7,8,9-HxCDD-$^{13}C_{12}$ as injection standard			
1,2,3,4,7,8-HxCDF	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,6,7,8-HxCDF	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	0.997-1.005
1,2,3,7,8,9-HxCDF	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	0.999-1.001
2,3,4,6,7,8-HxCDF	2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,4,7,8-HxCDD	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	0.999-1.001
1,2,3,6,7,8-HxCDD	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	0.998-1.004
1,2,3,7,8,9-HxCDD[a]	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	[a]	1.000-1.019
1,2,3,4,6,7,8-HpCDF	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,4,7,8,9-HpCDF	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	0.999-1.001
1,2,3,4,6,7,8-HpCDD	1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	0.999-1.001
OCDF	OCDD-$^{13}C_{12}$	OCDD-$^{13}C_{12}$	0.999-1.008
OCDD	OCDD-$^{13}C_{12}$	OCDD-$^{13}C_{12}$	0.999-1.001
1,2,3,4,7,8-HxCDF-$^{13}C_{12}$	1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.944-0.970
1,2,3,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.949-0.975
1,2,3,7,8,9-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.977-1.047
2,3,4,6,7,8-HxCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.959-1.021
1,2,3,4,7,8-HxCDD-$^{13}C_{12}$	1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.977-1.000
1,2,3,6,7,8-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	0.981-1.003
1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.043-1.085
1,2,3,4,7,8,9-HpCDF-$^{13}C_{12}$	1,2,3,4,6,7,8-HpCDF-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.057-1.151
1,2,3,4,6,7,8-HpCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.086-1.110
OCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1,2,3,7,8,9-HxCDD-$^{13}C_{12}$	1.032-1.311

[a] For solids/waters via 1612B, 1,2,3,7,8,9-HXCDD is quantified against the average responses of 1,2,3,4,7,8-HxCDD-$^{13}C_{12}$ and 1,2,3,6,7,8-HxCDD-$^{13}C_{12}$ while 1,2,3,6,7,8-HxCDD-$^{13}C_{12}$ is the RT reference.

Table 5: HRMS Instrumental Descriptor Parameters

Descriptor	Exact M/Z	M/Z Type	Elemental Composition	Substance	Type	Theoretical Ion Ratio	Ion Ratio QC Limits Upper	Lower
1	303.9016	M	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O$	TCDF	Native	0.77	0.65	0.89
	305.8987	M+2	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O$	TCDF	Native			
	315.9419	M	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O$	TCDF	^{13}C	0.77	0.65	0.89
	317.9389	M+2	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O$	TCDF	^{13}C			
	316.9824	Lock	$^{12}C_{9}{}^{19}F_{11}$	PFK	Lock			
	319.8965	M	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O_{2}$	TCDD	Native	0.77	0.65	0.89
	321.8936	M+2	$^{12}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O_{2}$	TCDD	Native			
	327.8847	M+8	$^{12}C_{12}{}^{1}H_{4}{}^{37}Cl_{4}{}^{16}O_{2}$	TCDD	^{37}Cl			
	331.9368	M	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{4}{}^{16}O_{2}$	TCDD	^{13}C	0.77	0.65	0.89
	333.9339	M+2	$^{13}C_{12}{}^{1}H_{4}{}^{35}Cl_{3}{}^{37}Cl{}^{16}O_{2}$	TCDD	^{13}C			
	339.8597	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	Native	1.55	1.32	1.78
	341.8568	M+4	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	Native			
	351.9	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	^{13}C	1.55	1.32	1.78
	353.897	M+4	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	^{13}C			
	375.8364	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O$	HxCDPE	Cl-DPE			
	409.7974	M+4	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O$	HpCDPE	Cl-DPE			
2	339.8597	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	Native	1.55	1.32	1.78
	341.8568	M+4	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	Native			
	351.9	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	PeCDF	^{13}C	1.55	1.32	1.78
	353.897	M+4	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{3}{}^{37}Cl_{2}{}^{16}O$	PeCDF	^{13}C			
	353.8576	M	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{5}{}^{16}O_{2}$	PeCDD	Native	0.63	0.54	0.72
	355.8546	M+2	$^{12}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O_{2}$	PeCDD	Native			
	366.9792	Lock	$^{12}C_{10}{}^{19}F_{13}$	PFK	Lock			
	365.8978	M	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{5}{}^{16}O_{2}$	PeCDD	^{13}C	0.63	0.54	0.72
	367.8949	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{4}{}^{37}$ Cl $^{16}O_{2}$	PeCDD	^{13}C			
	409.7974	M+2	$^{13}C_{12}{}^{1}H_{3}{}^{35}Cl_{6}{}^{37}Cl{}^{16}O$	HpCDPE	Cl-DPE			
3	373.8207	M+2	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O$	HxCDF	Native	1.24	1.05	1.43
	375.8178	M+4	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O$	HxCDF	Native			
	380.976	Lock	$^{12}C_{9}{}^{19}F_{13}$	PFK	Lock			
	383.8639	M	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{16}O$	HxCDF	^{13}C	0.51	0.43	0.59
	385.861	M+2	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl{}^{16}O$	HxCDF	^{13}C			
	389.8156	M+2	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O_{2}$	HxCDD	Native	1.24	1.05	1.43
	391.8127	M+4	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O_{2}$	HxCDD	Native			
	401.8559	M+2	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{5}{}^{37}Cl{}^{16}O_{2}$	HxCDD	^{13}C	1.24	1.05	1.43
	403.853	M+4	$^{13}C_{12}{}^{1}H_{2}{}^{35}Cl_{4}{}^{37}Cl_{2}{}^{16}O_{2}$	HxCDD	^{13}C			
	445.7555	M+4	$^{12}C_{12}{}^{1}H_{2}{}^{35}Cl_{6}{}^{37}Cl_{2}{}^{16}O$	OCDPE	Cl-DPE			
4	409.7789	M+4	$^{12}C_{12}{}^{1}H{}^{35}Cl_{5}{}^{37}Cl_{2}{}^{16}O$	HpCDF	Native	1.88	1.60	2.16
	411.7759	M+6	$^{12}C_{12}{}^{1}H{}^{35}Cl_{4}{}^{37}Cl_{3}{}^{16}O$	HpCDF	Native			
	417.8253	M	$^{13}C_{12}{}^{1}H{}^{35}Cl_{7}{}^{16}O$	HpCDF	^{13}C	0.44	0.37	0.51
	419.822	M+2	$^{13}C_{12}{}^{1}H{}^{35}Cl_{6}{}^{37}Cl{}^{16}O$	HpCDF	^{13}C			
	423.7767	M+2	$^{12}C_{12}{}^{1}H{}^{35}Cl_{6}{}^{37}Cl{}^{16}O_{2}$	HpCDD	Native	1.04	0.88	1.20
	425.7737	M+4	$^{12}C_{12}{}^{1}H{}^{35}Cl_{5}{}^{37}Cl_{2}{}^{16}O_{2}$	HpCDD	Native			
	430.9728	Lock	$^{12}C_{9}{}^{19}F_{17}$	PFK	Lock			
	435.8169	M+2	$^{13}C_{12}{}^{1}H{}^{35}Cl_{6}{}^{37}Cl{}^{16}O_{2}$	HpCDD	^{13}C	1.04	0.88	1.20
	437.814	M+4	$^{13}C_{12}{}^{1}H{}^{35}Cl_{5}{}^{37}Cl_{2}{}^{16}O_{2}$	HpCDD	^{13}C			
	479.7165	M+4	$^{12}C_{12}{}^{1}H{}^{35}Cl_{7}{}^{37}Cl_{2}{}^{16}O$	NCDPE	Cl-DPE			
5	441.7428	M+2	$^{12}C_{12}{}^{35}Cl_{7}{}^{37}Cl{}^{16}O$	OCDF	Native	0.89	0.76	1.02
	443.7399	M+4	$^{12}C_{12}{}^{35}Cl_{6}{}^{37}Cl2{}^{16}O$	OCDF	Native			
	454.9728	Lock	$^{12}C_{11}{}^{19}F_{17}$	PFK	Lock			
	457.7377	M+2	$^{13}C_{12}{}^{35}Cl_{7}{}^{37}Cl{}^{16}O_{2}$	OCDD	Native	0.89	0.76	1.02
	459.7348	M+4	$^{13}C_{12}{}^{35}Cl_{6}{}^{37}Cl_{2}{}^{16}O_{2}$	OCDD	Native			
	469.778	M+2	$^{13}C_{12}{}^{35}Cl_{7}{}^{37}Cl{}^{16}O_{2}$	OCDD	^{13}C	0.89	0.76	1.02
	471.775	M+4	$^{13}C_{12}{}^{35}Cl_{6}{}^{37}Cl_{2}{}^{16}O_{2}$	OCDD	^{13}C			
	513.6775	M+4	$^{12}C_{12}{}^{35}Cl_{8}{}^{37}Cl_{2}{}^{16}O$	DCDPE	Cl-DPE			

Data Calculations:

a) Analyte Concentrations:

The relative response factor of each target relative to the standard against which it is to be calculated is determined using the area responses of both quantification ions via equation 9.1.
In cases where a native target is calculated against an exact labelled analogue, the quantification will be considered to be by isotope dilution. In other cases, the quantification will be considered to be by internal standard.

$$RRF = \frac{(A1_t + A2_t)\ C_s}{(A1_s + A2_s)\ C_t} \qquad \text{Equ. 9.1}$$

Where,
$A1_t + A$: The areas of the two quantification ions for the target analyte
$A1_s + A2_s$ = The areas of the two quantification ions for the labelled compound against which the target analyte will be calculated.
C_t = The concentration in the calibration standard of the target analyte.
C_s = The concentration in the calibration standard of the labelled compound against which the target will be calculated.

For all analytes to be quantified and from the initial calibration series of standard injections, a table of RRFs is prepared. The relative standard deviation (%RSD, or the coefficient of variance) is checked to confirm that appropriate method criteria has been met as listed in Table 3. The average of the five or six levels of for each analyte, RRF_{av} is applied for quantification of samples according to Equations 9.2 and 9.3 below.

$$\text{Amount in sample (pg)} = \frac{(A1_n + A2_n)\ Q_l}{(A1_l + A2_l)\ (RRF_{av})} \qquad \text{Equ. 9.2}$$

$$\text{Concentration in sample (pg/g or pg/l)} = \frac{(A1_n + A2_n)\ Q_l}{(A1_l + A2_l)\ (RRF_{av})\ (W_s)} \qquad \text{Equ. 9.3}$$

Where,
Q_l = The amount (pg) of labelled compound added to the sample
W_s = The weight (g) or volume (l) of sample

b) Extraction, Clean-up, and Sampling Standard Recovery Calculation:

The extraction, clean-up, and sampling standard recoveries are determined by Equation 9.4 below.

% Recovery = (Amount in sample)/(Amount added to sample) X 100 Equ. 9.4

c) Estimated Detection Limit

$$EDL = \frac{2.5 \times H_x \times Q_{es}}{H_{es} \times W \times RFF_{av}} \qquad \text{Equ. 9.5}$$

Where,

EDL = estimated detection limit for homologous 2,3,7,8-Substituted PCDD/Fs

H_x = sum of the height of the noise level for each quantification ions for the unlabelled PCDD/Fs.

H_{es} = Sum of the heights of responses of both quantification ions for the labelled extraction standard.

W = weight of volume of sample

RRF_{av} = average relative response factor

Q_{es} = Amount of extraction standard added

Chromatogram Annotation Codes

All manually integrated peaks are expanded and reprinted with the following annotations:

* Analyst Initials	AA
* Date	YYMMDD
* Integration code	CC
The Syntax is:	Example:
AAYYMMDDCC	SK111220MB

Code	Mnemonic	Description
MB	Manual Baseline	The peak was manually integrated because the initial baseline was determined incorrectly by the software
MS	Manual Split	The peak was manually integrated because the peak was incorrectly or not split by the software
MJ/MC	Manual Join/Manual Combine	The peak was manually integrated because the peak was split by the software and the peak should be integrated as a single peak
MA	Manual Add	The peak was manually integrated because the signal:noise ratio was judged to be >2.5
MD	Manual Delete	The peak was excluded because the signal:noise ratio was judged to be <2.5
MX	Manual Exclude	The peak was excluded due to an interference
NH	Noise Height	The noise height for detection limit calculation was manually defined, over-riding the software chosen value
MT	Manual Time	The peak retention time was manually chosen

The following explanatory annotation codes may appear on the chromatograms of peaks that have been reviewed:

Code	Mnemonic	Description
+	Detected Peak	A peak was detected at this mass and retention time that was above 2.5:1 signal to noise
<	Below Detection Limit	The signal at this mass and retention time was below 2.5:1 signal to noise
EMPC	Estimated Maximum Possible Concentration	The signal at this mass and retention time is an interference such that the target compound could not be confirmed
X-RT	Not Detected due to Retention Time non-conformance	The signal at this retention time could not be used to positively identify the target compound because of retention time non-conformance (apex of quantification and confirmation ions do not maximize within the same two seconds, or the retention time of the peak does not fall within the expected range with respect to its labeled analogue)
X-LOC	Not Detected due to interference from a higher level of chlorination	The signal at this retention time is attributable to a fragment from a co-eluting compound at a higher level of chlorination, and cannot be used to positively identify the target. The result is expressed as an Estimated Maximum Possible Concentration (EMPC)
X-DPE	Not Detected due to diphenyl ether interference	The signal at this retention time is attributable to interference from a chlorinated diphenyl ether, and cannot be used to positively identify the target. The result is expressed as an Estimated Maximum Possible Concentration (EMPC)
X-IF	Not Detected due to interference	The signal at this retention time is attributable to a co-eluting interference, and cannot be used to positively identify the target. The result is expressed as an Estimated Maximum Possible Concentration (EMPC)

Deviations from the Primary Reference Methods:

The following changes and clarifications apply:

1) The calibration standards as listed in Table 2 are applied appropriately to all of the reference methods listed above. Such an application of one standard calibration series to all of these methods is within the scope of each and every one of the methods. The calibration standard set CS1 through CS5 is consistent with the standards concentration listing in method 1613B Table 4. The CS0 extends the calibration range below what is required by all of the methods. Table 4 defines the use of each of the labelled standards relative to each of the methods.

a. Method 1613B lists a larger suite of labelled extraction standards than does method 8290A. Additional labelled extraction standards have been added into the 8290A analysis to enhance the method and the data quality. These additions to the method constitute performance based enhancements and are within the scope of SW846 Method 8290A.

b. The levels presented in the calibration table of method 8290A are recommended values only. Changes to these concentrations, especially to expand the range, are within the scope of the method. Therefore application of the 1613B calibration standards to method 8290A is compliant with the scope of the method.

c. TO-9A is also a performance based method. It specifically states that different extraction standards and different concentrations of standards from those listed in TO-9A Table 3 is acceptable (see Section 6.8 of reference method).

d. Although OAQPS reference method 23 is not a performance based method, application of the 1613B standards has been defined as within the scope of the method. (see Appendix B)

2) Chlorinated Diphenyl Ether interferences: Both methods 1613B and 8290A indicate that any instrumental response showing the presence of a chlorinated diphenyl ether response and that coelutes with a PCDF represents an interference on that analyte (see Sections 18.3 and 7.8.4.4 respectively). This apparent zero tolerance does not take into account that the response in the diphenyl ether channel may be trivial relative to the corresponding PCDF. For this 'Standard Method', we have defined a chlorinated diphenyl ether interference as the presence of a **significant** response within the chlorinated diphenyl ether channel (rather than zero response) and defined significant as a response equal to or greater than 10% of the peak response in the PCDF channel.

3) When the primary analysis is performed using a DB5MS GC column, 2,3,7,8-TCDF can be resolved to a valley height of 60% from the closest-eluting isomers for this column, providing good quantification of this target without further confirmation. Confirmation of 2,3,7,8-TCDF concentrations above the level of the lowest calibration standard are performed on a second column on a contract basis when requested. Confirmation of additional 2,3,7,8-substituted PCDD/F isomers is also available when requested.

4) Although not categorically stated in all associated PCDD/F methods, we maintain that each and every individual clean-up procedure is, by definition, performance-based and optional. There is not an expectation within the industry to follow exactly the descriptions of clean-ups in reference methods. Adaptations which meet or exceed the required performance criteria are therefore acceptable within the scope of each reference method. The reference method descriptions are intended as guidelines or templates available to help the laboratory to define effective in-house clean-up methods. The objective within the laboratory is to provide quality clean extracts to the instrument for analysis. Each individual clean-up is part of the laboratory's 'arsenal' in order to achieve this objective.

5) There are differences within the individual reference methods as to the precise spiking protocols for adding extraction standards and native spikes (for LCS, MS and MSD). To ensure consistency within the laboratory between PCDD/F and related methods, the PCDD/F preparative 'Specific Method' requires solids (including stack and ambient sorbants/filters) to be spiked in the soxhlet thimble from a nonane solution and waters are spiked before filtering from an acetone solution. This is consistent with the 8290A approach.

6) Sub-sampling of solids and pre-extraction processing is done in a manner that minimizes potential for cross-contamination. These processes are designed around SW846 protocols rather than 1613B protocols. Solids are sub-sampled directly from the bottle as submitted to the laboratory wherever practical. If the sample is submitted such that homogenization in the bottle is impractical (eg. the bottle is too full or lumps cannot be broken down), then transferring the sample to a tray or another bottle maybe in order.

7) The concentrations of labelled and native spiking solutions are not consistent with those listed in all of the reference methods. These concentrations are prepared at levels convenient and expedient for accurate laboratory processing.

8) With respect to extraction labelled recovery limits on non-stack samples analyzed via method 8290A, we limit the data upon the more laboratory performance limits defined in method 1613B rather than the relatively arbitrary limits of 35-140% suggested in Section 8.4 of method 8290A.

9) With respect to ions monitored for P5CDD and H7CDF:

a. The 358 ion has a potential for interference from PCB (hexachlorobiphenyls) dependent upon levels of PCBs in the sample and the instrument tuning. Of particular concern is PCB-169 which on a DB5MS column elutes very close to 1,2,3,7,8-P5CDD and which is not removed for the PCDD/F extracts even by carbon clean-up. To eliminate the potential of such interferences from PCB on the 358 mass, we choose to monitor the alternate ion pair of 354 and 356.

b. Similarly, the 408 ion of native H7CDF is prone to problematic interferences arising from 13C-labeled heptachlorinated biphenyls. To eliminate the potential of such interferences from PCB on the 358 mass, we choose to monitor the alternate ion pair of 410 and 412.

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 4: CALIBRATION DATA

Including:

for Multi-Point Calibration(s)

- Multi-Point Calibration Tables
- Individual Quantitation Reports

for Continuing Calibration(s)

- Individual Quantitation Reports

A L S L i f e S c i e n c e s

Calibration Summary Report

Calibration Level	Filename	Run Date
CS-1	12-240724B0:	############
CS-2	12-240724B0:	############
CS-3	12-240724B0:	############
CS-4	12-240724B0:	############
CS-5	12-240724B0:	############

Approved: *M.Elchawiche*
--e-signature--
26-Jul-2024

Relative Response Factors

Target Analytes	CS-1	CS-2	CS-3	CS-4	CS-5	Mean	% RSD
2,3,7,8-TCDD	0.867	0.857	0.894	0.899	0.902	0.884	2%
1,2,3,7,8-PeCDD	0.895	0.825	0.868	0.879	0.896	0.873	3%
1,2,3,4,7,8-HxCDD	1.042	0.976	0.989	1.002	0.987	0.999	3%
1,2,3,6,7,8-HxCDD	1.013	0.940	1.014	0.978	1.023	0.994	3%
1,2,3,7,8,9-HxCDD	1.088	0.975	1.011	1.049	1.055	1.036	4%
1,2,3,4,6,7,8-HpCDD	1.039	0.943	0.953	0.987	1.013	0.987	4%
OCDD	1.033	0.897	0.956	0.970	0.955	0.962	5%
2,3,7,8-TCDF	0.962	0.965	1.041	1.010	1.009	0.997	3%
1,2,3,7,8-PeCDF	0.860	0.841	0.920	0.876	0.880	0.875	3%
2,3,4,7,8-PeCDF	1.123	1.022	1.084	1.110	1.087	1.085	4%
1,2,3,4,7,8-HxCDF	1.204	1.131	1.212	1.191	1.208	1.189	3%
1,2,3,6,7,8-HxCDF	1.139	1.111	1.168	1.147	1.144	1.142	2%
2,3,4,6,7,8-HxCDF	1.255	1.139	1.208	1.185	1.210	1.199	4%
1,2,3,7,8,9-HxCDF	1.178	1.086	1.106	1.135	1.143	1.130	3%
1,2,3,4,6,7,8-HpCDF	0.957	0.883	0.906	0.910	0.928	0.917	3%
1,2,3,4,7,8,9-HpCDF	0.941	0.871	0.939	0.914	0.935	0.920	3%
OCDF	1.221	1.095	1.198	1.197	1.204	1.183	4%
Extraction Standards							
13C12-2,3,7,8-TCDD	1.207	1.257	1.188	1.154	1.244	1.210	3%
13C12-1,2,3,7,8-PeCDD	0.805	0.834	0.760	0.784	0.873	0.811	5%
13C12-1,2,3,4,7,8-HxCDD	0.954	0.965	0.961	0.929	0.949	0.952	1%
13C12-1,2,3,6,7,8-HxCDD	0.945	0.950	0.969	0.941	0.915	0.944	2%
13C12-1,2,3,4,6,7,8-HpCDD	0.770	0.787	0.764	0.747	0.772	0.768	2%
13C12-OCDD	0.613	0.652	0.624	0.606	0.696	0.638	6%
13C12-2,3,7,8-TCDF	1.383	1.382	1.329	1.338	1.387	1.364	2%
13C12-1,2,3,7,8-PeCDF	1.253	1.298	1.167	1.222	1.361	1.260	6%
13C12-2,3,4,7,8-PeCDF	1.065	1.062	1.040	1.054	1.145	1.073	4%
13C12-1,2,3,4,7,8-HxCDF	1.257	1.252	1.248	1.218	1.209	1.237	2%
13C12-1,2,3,6,7,8-HxCDF	1.291	1.290	1.273	1.261	1.257	1.274	1%
13C12-2,3,4,6,7,8-HxCDF	1.215	1.238	1.220	1.189	1.190	1.210	2%
13C12-1,2,3,7,8,9-HxCDF	1.093	1.080	1.089	1.061	1.067	1.078	1%
13C12-1,2,3,4,6,7,8-HpCDF	0.974	1.012	0.961	0.935	0.976	0.972	3%
13C12-1,2,3,4,7,8,9-HpCDF	0.813	0.827	0.788	0.794	0.837	0.812	3%
Cleanup Standard							
37Cl4-2,3,7,8-TCDD (Cleanup)	1.149	1.098	1.111	1.106	1.188	1.130	3%

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H12-23-CS1-0015**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
12-240724B01	HRMS-12	ZB-DX1171742	24-Jul-2024 12:31		--e-signature--
					26-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.6	0.76	0.50	2.68E+04	0.867
1,2,3,7,8-PeCDD	31.61	1.60	2.50	9.22E+04	0.895
1,2,3,4,7,8-HxCDD	33.81	1.27	2.50	9.63E+04	1.042
1,2,3,6,7,8-HxCDD	33.9	1.27	2.50	9.27E+04	1.013
1,2,3,7,8,9-HxCDD	34.09	1.23	2.50	1.00E+05	1.088
1,2,3,4,6,7,8-HpCDD	36.4	1.06	2.50	7.74E+04	1.039
OCDD	39.31	0.90	5.00	1.23E+05	1.033
2,3,7,8-TCDF	28.07	0.73	0.50	3.40E+04	0.962
1,2,3,7,8-PeCDF	30.89	1.50	2.50	1.38E+05	0.860
2,3,4,7,8-PeCDF	31.5	1.54	2.50	1.53E+05	1.123
1,2,3,4,7,8-HxCDF	33.24	1.27	2.50	1.46E+05	1.204
1,2,3,6,7,8-HxCDF	33.33	1.27	2.50	1.42E+05	1.139
2,3,4,6,7,8-HxCDF	33.76	1.35	2.50	1.48E+05	1.255
1,2,3,7,8,9-HxCDF	34.47	1.29	2.50	1.25E+05	1.178
1,2,3,4,6,7,8-HpCDF	35.44	2.03	2.50	9.02E+04	0.957
1,2,3,4,7,8,9-HpCDF	37.05	1.82	2.50	7.41E+04	0.941
OCDF	39.68	0.88	5.00	1.45E+05	1.221
Extraction Standards					
13C12-2,3,7,8-TCDD	28.59	0.75	100.00	6.17E+06	1.207
13C12-1,2,3,7,8-PeCDD	31.6	1.61	100.00	4.12E+06	0.805
13C12-1,2,3,4,7,8-HxCDD	33.81	1.22	100.00	3.70E+06	0.954
13C12-1,2,3,6,7,8-HxCDD	33.88	1.23	100.00	3.66E+06	0.945
13C12-1,2,3,4,6,7,8-HpCDD	36.39	1.05	100.00	2.98E+06	0.770
13C12-OCDD	39.3	0.91	200.00	4.75E+06	0.613
13C12-2,3,7,8-TCDF	28.06	0.76	100.00	7.07E+06	1.383
13C12-1,2,3,7,8-PeCDF	30.87	1.60	100.00	6.41E+06	1.253
13C12-2,3,4,7,8-PeCDF	31.49	1.55	100.00	5.45E+06	1.065
13C12-1,2,3,4,7,8-HxCDF	33.23	0.53	100.00	4.87E+06	1.257
13C12-1,2,3,6,7,8-HxCDF	33.32	0.53	100.00	5.00E+06	1.291
13C12-2,3,4,6,7,8-HxCDF	33.75	0.52	100.00	4.70E+06	1.215
13C12-1,2,3,7,8,9-HxCDF	34.46	0.53	100.00	4.23E+06	1.093
13C12-1,2,3,4,6,7,8-HpCDF	35.43	0.45	100.00	3.77E+06	0.974
13C12-1,2,3,4,7,8,9-HpCDF	37.04	0.45	100.00	3.15E+06	0.813
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.6		0.50	2.94E+04	1.149
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.97	0.77	100.00	5.12E+06	51155.598
13C12-1,2,3,7,8,9-HxCDD	34.08	1.25	100.00	3.87E+06	38714.475

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H12-23-CS2-0015**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
12-240724B04	HRMS-12	ZB-DX1171742	24-Jul-2024 16:08		--e-signature--
					26-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.59	0.76	2.00	1.09E+05	0.857
1,2,3,7,8-PeCDD	31.6	1.54	10.00	3.48E+05	0.825
1,2,3,4,7,8-HxCDD	33.8	1.27	10.00	3.66E+05	0.976
1,2,3,6,7,8-HxCDD	33.88	1.24	10.00	3.47E+05	0.940
1,2,3,7,8,9-HxCDD	34.08	1.24	10.00	3.63E+05	0.975
1,2,3,4,6,7,8-HpCDD	36.37	1.06	10.00	2.88E+05	0.943
OCDD	39.3	0.88	20.00	4.55E+05	0.897
2,3,7,8-TCDF	28.06	0.81	2.00	1.35E+05	0.965
1,2,3,7,8-PeCDF	30.87	1.59	10.00	5.53E+05	0.841
2,3,4,7,8-PeCDF	31.49	1.51	10.00	5.50E+05	1.022
1,2,3,4,7,8-HxCDF	33.23	1.26	10.00	5.50E+05	1.131
1,2,3,6,7,8-HxCDF	33.32	1.25	10.00	5.57E+05	1.111
2,3,4,6,7,8-HxCDF	33.75	1.31	10.00	5.48E+05	1.139
1,2,3,7,8,9-HxCDF	34.46	1.28	10.00	4.56E+05	1.086
1,2,3,4,6,7,8-HpCDF	35.43	1.80	10.00	3.47E+05	0.883
1,2,3,4,7,8,9-HpCDF	37.04	1.83	10.00	2.80E+05	0.871
OCDF	39.66	0.87	20.00	5.55E+05	1.095
Extraction Standards					
13C12-2,3,7,8-TCDD	28.57	0.74	100.00	6.37E+06	1.257
13C12-1,2,3,7,8-PeCDD	31.58	1.63	100.00	4.22E+06	0.834
13C12-1,2,3,4,7,8-HxCDD	33.8	1.23	100.00	3.75E+06	0.965
13C12-1,2,3,6,7,8-HxCDD	33.87	1.20	100.00	3.69E+06	0.950
13C12-1,2,3,4,6,7,8-HpCDD	36.36	1.04	100.00	3.06E+06	0.787
13C12-OCDD	39.29	0.89	200.00	5.07E+06	0.652
13C12-2,3,7,8-TCDF	28.04	0.76	100.00	7.00E+06	1.382
13C12-1,2,3,7,8-PeCDF	30.86	1.58	100.00	6.57E+06	1.298
13C12-2,3,4,7,8-PeCDF	31.49	1.58	100.00	5.38E+06	1.062
13C12-1,2,3,4,7,8-HxCDF	33.22	0.53	100.00	4.86E+06	1.252
13C12-1,2,3,6,7,8-HxCDF	33.32	0.53	100.00	5.01E+06	1.290
13C12-2,3,4,6,7,8-HxCDF	33.74	0.53	100.00	4.81E+06	1.238
13C12-1,2,3,7,8,9-HxCDF	34.45	0.53	100.00	4.19E+06	1.080
13C12-1,2,3,4,6,7,8-HpCDF	35.41	0.45	100.00	3.93E+06	1.012
13C12-1,2,3,4,7,8,9-HpCDF	37.03	0.45	100.00	3.21E+06	0.827
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.59		2.00	1.11E+05	1.098
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.96	0.77	100.00	5.07E+06	50670.975
13C12-1,2,3,7,8,9-HxCDD	34.07	1.21	100.00	3.88E+06	38845.514

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H12-23-CS3-0021**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
12-240724B08	HRMS-12	ZB-DX1171742	24-Jul-2024 19:40		--e-signature--
					26-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.6	0.79	10.00	3.01E+05	0.894
1,2,3,7,8-PeCDD	31.61	1.57	50.00	9.35E+05	0.868
1,2,3,4,7,8-HxCDD	33.81	1.25	50.00	9.50E+05	0.989
1,2,3,6,7,8-HxCDD	33.9	1.26	50.00	9.81E+05	1.014
1,2,3,7,8,9-HxCDD	34.08	1.25	50.00	9.75E+05	1.011
1,2,3,4,6,7,8-HpCDD	36.39	1.00	50.00	7.28E+05	0.953
OCDD	39.31	0.89	100.00	1.19E+06	0.956
2,3,7,8-TCDF	28.07	0.79	10.00	3.92E+05	1.041
1,2,3,7,8-PeCDF	30.87	1.56	50.00	1.52E+06	0.920
2,3,4,7,8-PeCDF	31.5	1.53	50.00	1.60E+06	1.084
1,2,3,4,7,8-HxCDF	33.24	1.27	50.00	1.51E+06	1.212
1,2,3,6,7,8-HxCDF	33.33	1.27	50.00	1.49E+06	1.168
2,3,4,6,7,8-HxCDF	33.76	1.25	50.00	1.47E+06	1.208
1,2,3,7,8,9-HxCDF	34.47	1.29	50.00	1.20E+06	1.106
1,2,3,4,6,7,8-HpCDF	35.44	1.85	50.00	8.70E+05	0.906
1,2,3,4,7,8,9-HpCDF	37.04	1.90	50.00	7.40E+05	0.939
OCDF	39.67	0.92	100.00	1.49E+06	1.198
Extraction Standards					
13C12-2,3,7,8-TCDD	28.59	0.75	100.00	3.37E+06	1.188
13C12-1,2,3,7,8-PeCDD	31.6	1.60	100.00	2.15E+06	0.760
13C12-1,2,3,4,7,8-HxCDD	33.8	1.31	100.00	1.92E+06	0.961
13C12-1,2,3,6,7,8-HxCDD	33.88	1.18	100.00	1.94E+06	0.969
13C12-1,2,3,4,6,7,8-HpCDD	36.37	1.06	100.00	1.53E+06	0.764
13C12-OCDD	39.3	0.89	200.00	2.49E+06	0.624
13C12-2,3,7,8-TCDF	28.04	0.77	100.00	3.77E+06	1.329
13C12-1,2,3,7,8-PeCDF	30.87	1.58	100.00	3.31E+06	1.167
13C12-2,3,4,7,8-PeCDF	31.49	1.56	100.00	2.95E+06	1.040
13C12-1,2,3,4,7,8-HxCDF	33.23	0.53	100.00	2.49E+06	1.248
13C12-1,2,3,6,7,8-HxCDF	33.32	0.54	100.00	2.55E+06	1.273
13C12-2,3,4,6,7,8-HxCDF	33.75	0.53	100.00	2.44E+06	1.220
13C12-1,2,3,7,8,9-HxCDF	34.46	0.53	100.00	2.18E+06	1.089
13C12-1,2,3,4,6,7,8-HpCDF	35.43	0.45	100.00	1.92E+06	0.961
13C12-1,2,3,4,7,8,9-HpCDF	37.04	0.45	100.00	1.57E+06	0.788
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.6		10.00	3.15E+05	1.111
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.97	0.74	100.00	2.83E+06	28344.269
13C12-1,2,3,7,8,9-HxCDD	34.08	1.23	100.00	2.00E+06	19986.028

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H12-23-CS4-0015**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
12-240724B07	HRMS-12	ZB-DX1171742	24-Jul-2024 18:55		--e-signature--
					26-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.59	0.78	40.00	1.52E+06	0.899
1,2,3,7,8-PeCDD	31.6	1.60	200.00	5.03E+06	0.879
1,2,3,4,7,8-HxCDD	33.81	1.25	200.00	5.07E+06	1.002
1,2,3,6,7,8-HxCDD	33.88	1.26	200.00	5.01E+06	0.978
1,2,3,7,8,9-HxCDD	34.08	1.25	200.00	5.34E+06	1.049
1,2,3,4,6,7,8-HpCDD	36.39	1.06	200.00	4.01E+06	0.987
OCDD	39.3	0.89	400.00	6.40E+06	0.970
2,3,7,8-TCDF	28.06	0.78	40.00	1.97E+06	1.010
1,2,3,7,8-PeCDF	30.87	1.55	200.00	7.82E+06	0.876
2,3,4,7,8-PeCDF	31.5	1.53	200.00	8.54E+06	1.110
1,2,3,4,7,8-HxCDF	33.23	1.25	200.00	7.90E+06	1.191
1,2,3,6,7,8-HxCDF	33.33	1.26	200.00	7.87E+06	1.147
2,3,4,6,7,8-HxCDF	33.76	1.29	200.00	7.67E+06	1.185
1,2,3,7,8,9-HxCDF	34.46	1.29	200.00	6.56E+06	1.135
1,2,3,4,6,7,8-HpCDF	35.43	1.85	200.00	4.63E+06	0.910
1,2,3,4,7,8,9-HpCDF	37.04	1.87	200.00	3.95E+06	0.914
OCDF	39.67	0.91	400.00	7.89E+06	1.197
Extraction Standards					
13C12-2,3,7,8-TCDD	28.57	0.78	100.00	4.21E+06	1.154
13C12-1,2,3,7,8-PeCDD	31.58	1.62	100.00	2.86E+06	0.784
13C12-1,2,3,4,7,8-HxCDD	33.8	1.22	100.00	2.53E+06	0.929
13C12-1,2,3,6,7,8-HxCDD	33.87	1.21	100.00	2.56E+06	0.941
13C12-1,2,3,4,6,7,8-HpCDD	36.37	1.06	100.00	2.03E+06	0.747
13C12-OCDD	39.29	0.89	200.00	3.30E+06	0.606
13C12-2,3,7,8-TCDF	28.04	0.76	100.00	4.89E+06	1.338
13C12-1,2,3,7,8-PeCDF	30.86	1.57	100.00	4.46E+06	1.222
13C12-2,3,4,7,8-PeCDF	31.49	1.58	100.00	3.85E+06	1.054
13C12-1,2,3,4,7,8-HxCDF	33.23	0.53	100.00	3.32E+06	1.218
13C12-1,2,3,6,7,8-HxCDF	33.32	0.53	100.00	3.43E+06	1.261
13C12-2,3,4,6,7,8-HxCDF	33.75	0.53	100.00	3.24E+06	1.189
13C12-1,2,3,7,8,9-HxCDF	34.45	0.53	100.00	2.89E+06	1.061
13C12-1,2,3,4,6,7,8-HpCDF	35.43	0.45	100.00	2.55E+06	0.935
13C12-1,2,3,4,7,8,9-HpCDF	37.03	0.45	100.00	2.16E+06	0.794
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.59		40.00	1.62E+06	1.106
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.96	0.77	100.00	3.65E+06	36520.086
13C12-1,2,3,7,8,9-HxCDD	34.07	1.25	100.00	2.72E+06	27224.155

A L S L i f e S c i e n c e s

Calibration Report

ALS Sample ID **H12-23-CS5-0015**
Analysis Method EPA 1613B
Analysis Type Calibration

Filename	Inst #	Column	Run Date	Approved:	*M.Elchawiche*
12-240724B05	HRMS-12	ZB-DX1171742	24-Jul-2024 16:51		--e-signature--
					26-Jul-2024

Target Analytes	Ret. Time	Ion Ratio	Concentration ng/mL	Response	RRF
2,3,7,8-TCDD	28.59	0.79	200.00	1.15E+07	0.902
1,2,3,7,8-PeCDD	31.6	1.57	1000.00	4.01E+07	0.896
1,2,3,4,7,8-HxCDD	33.8	1.32	1000.00	4.03E+07	0.987
1,2,3,6,7,8-HxCDD	33.88	1.20	1000.00	4.03E+07	1.023
1,2,3,7,8,9-HxCDD	34.08	1.25	1000.00	4.23E+07	1.055
1,2,3,4,6,7,8-HpCDD	36.37	1.05	1000.00	3.36E+07	1.013
OCDD	39.31	0.90	2000.00	5.71E+07	0.955
2,3,7,8-TCDF	28.06	0.80	200.00	1.44E+07	1.009
1,2,3,7,8-PeCDF	30.87	1.56	1000.00	6.14E+07	0.880
2,3,4,7,8-PeCDF	31.49	1.45	1000.00	6.38E+07	1.087
1,2,3,4,7,8-HxCDF	33.23	1.27	1000.00	6.28E+07	1.208
1,2,3,6,7,8-HxCDF	33.33	1.31	1000.00	6.18E+07	1.144
2,3,4,6,7,8-HxCDF	33.75	1.26	1000.00	6.19E+07	1.210
1,2,3,7,8,9-HxCDF	34.46	1.30	1000.00	5.24E+07	1.143
1,2,3,4,6,7,8-HpCDF	35.43	1.88	1000.00	3.89E+07	0.928
1,2,3,4,7,8,9-HpCDF	37.04	1.89	1000.00	3.37E+07	0.935
OCDF	39.67	0.93	2000.00	7.20E+07	1.204
Extraction Standards					
13C12-2,3,7,8-TCDD	28.57	0.76	100.00	6.38E+06	1.244
13C12-1,2,3,7,8-PeCDD	31.58	1.63	100.00	4.48E+06	0.873
13C12-1,2,3,4,7,8-HxCDD	33.8	1.24	100.00	4.08E+06	0.949
13C12-1,2,3,6,7,8-HxCDD	33.87	1.23	100.00	3.93E+06	0.915
13C12-1,2,3,4,6,7,8-HpCDD	36.37	1.04	100.00	3.32E+06	0.772
13C12-OCDD	39.3	0.90	200.00	5.98E+06	0.696
13C12-2,3,7,8-TCDF	28.03	0.76	100.00	7.11E+06	1.387
13C12-1,2,3,7,8-PeCDF	30.86	1.59	100.00	6.97E+06	1.361
13C12-2,3,4,7,8-PeCDF	31.47	1.54	100.00	5.87E+06	1.145
13C12-1,2,3,4,7,8-HxCDF	33.22	0.53	100.00	5.20E+06	1.209
13C12-1,2,3,6,7,8-HxCDF	33.32	0.53	100.00	5.40E+06	1.257
13C12-2,3,4,6,7,8-HxCDF	33.74	0.53	100.00	5.12E+06	1.190
13C12-1,2,3,7,8,9-HxCDF	34.45	0.52	100.00	4.59E+06	1.067
13C12-1,2,3,4,6,7,8-HpCDF	35.41	0.45	100.00	4.20E+06	0.976
13C12-1,2,3,4,7,8,9-HpCDF	37.03	0.45	100.00	3.60E+06	0.837
Cleanup Standard					
37Cl4-2,3,7,8-TCDD (Cleanup)	28.59		200.00	1.22E+07	1.188
Labeled Injection Standards					
13C12-1,2,3,4-TCDD	27.96	0.77	100.00	5.13E+06	51255.330
13C12-1,2,3,7,8,9-HxCDD	34.07	1.22	100.00	4.30E+06	43003.226

A L S L i f e S c i e n c e s

Continuing Calibration Report

Sample Name	**CVS**		Samoline Date	n/a		
ALS Sample ID	H12-23-RS1-0015		Extraction Date	n/a		Approved:
Analysis Method	EPA 1613B		Sample Size	1	n/a	*M.Elchawiche*
Analysis Type	CCV		Percent Moisture	n/a		--e-signature--
Sample Matrix	QC		Split Ratio	1		26-Jul-2024

Run Information	**Run 1**
Filename	12-240724B09
Run Date	24-Jul-24 20:24
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.60	90	78-129	
1,2,3,7,8-PeCDD	50	31.61	104	78-130	
1,2,3,4,7,8-HxCDD	50	33.81	91	78-128	
1,2,3,6,7,8-HxCDD	50	33.90	97	78-128	
1,2,3,7,8,9-HxCDD	50	34.08	95	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.39	98	86-116	
OCDD	100	39.31	92	79-126	
2,3,7,8-TCDF	10	28.07	95	84-120	
1,2,3,7,8-PeCDF	50	30.87	100	82-120	
2,3,4,7,8-PeCDF	50	31.50	93	82-122	
1,2,3,4,7,8-HxCDF	50	33.24	94	90-112	
1,2,3,6,7,8-HxCDF	50	33.33	93	88-114	
2,3,4,6,7,8-HxCDF	50	33.76	93	88-114	
1,2,3,7,8,9-HxCDF	50	34.47	99	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.44	99	90-110	
1,2,3,4,7,8,9-HpCDF	50	37.05	97	86-116	
OCDF	100	39.67	97	63-159	

Extraction Standards	**pg/uL**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	100	28.59	98	82-121
13C12-1,2,3,7,8-PeCDD	100	31.60	97	82-160
13C12-1,2,3,4,7,8-HxCDD	100	33.80	101	85-117
13C12-1,2,3,6,7,8-HxCDD	100	33.88	99	85-118
13C12-1,2,3,4,6,7,8-HpCDD	100	36.39	99	72-138
13C12-OCDD	200	39.30	97	48-207
13C12-2,3,7,8-TCDF	100	28.04	98	71-140
13C12-1,2,3,7,8-PeCDF	100	30.87	98	76-130
13C12-2,3,4,7,8-PeCDF	100	31.49	100	77-130
13C12-1,2,3,4,7,8-HxCDF	100	33.23	102	76-131
13C12-1,2,3,6,7,8-HxCDF	100	33.32	102	70-143
13C12-2,3,4,6,7,8-HxCDF	100	33.75	100	73-137
13C12-1,2,3,7,8,9-HxCDF	100	34.46	100	74-135
13C12-1,2,3,4,6,7,8-HpCDF	100	35.43	97	78-129
13C12-1,2,3,4,7,8,9-HpCDF	100	37.04	100	77-129

Cleanup Standard	**pg/uL**			
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.60	101	31-191

A L S L i f e S c i e n c e s

Continuing Calibration Report

Sample Name	**CCV**	Sampling Date	n/a		
ALS Sample ID	H12-24-CCV-0394	Extraction Date	n/a		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	*M.Elchawiche*
Analysis Type	CCV	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	1		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B01
Run Date	25-Jul-24 12:06
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.60	99	78-129	
1,2,3,7,8-PeCDD	50	31.61	103	78-130	
1,2,3,4,7,8-HxCDD	50	33.81	101	78-128	
1,2,3,6,7,8-HxCDD	50	33.90	105	78-128	
1,2,3,7,8,9-HxCDD	50	34.09	103	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.39	104	86-116	
OCDD	100	39.32	102	79-126	
2,3,7,8-TCDF	10	28.07	104	84-120	
1,2,3,7,8-PeCDF	50	30.89	105	82-120	
2,3,4,7,8-PeCDF	50	31.50	106	82-122	
1,2,3,4,7,8-HxCDF	50	33.24	102	90-112	
1,2,3,6,7,8-HxCDF	50	33.33	100	88-114	
2,3,4,6,7,8-HxCDF	50	33.76	101	88-114	
1,2,3,7,8,9-HxCDF	50	34.47	103	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.44	102	90-110	
1,2,3,4,7,8,9-HpCDF	50	37.05	102	86-116	
OCDF	100	39.69	100	63-159	
Extraction Standards	**pg/uL**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	100	28.59	100	82-121	
13C12-1,2,3,7,8-PeCDD	100	31.60	99	62-160	
13C12-1,2,3,4,7,8-HxCDD	100	33.81	100	85-117	
13C12-1,2,3,6,7,8-HxCDD	100	33.88	100	85-118	
13C12-1,2,3,4,6,7,8-HpCDD	100	36.39	102	72-138	
13C12-OCDD	200	39.30	97	48-207	
13C12-2,3,7,8-TCDF	100	28.04	98	71-140	
13C12-1,2,3,7,8-PeCDF	100	30.87	99	76-130	
13C12-2,3,4,7,8-PeCDF	100	31.49	100	77-130	
13C12-1,2,3,4,7,8-HxCDF	100	33.23	102	76-131	
13C12-1,2,3,6,7,8-HxCDF	100	33.32	101	70-143	
13C12-2,3,4,6,7,8-HxCDF	100	33.75	101	73-137	
13C12-1,2,3,7,8,9-HxCDF	100	34.46	97	74-135	
13C12-1,2,3,4,6,7,8-HpCDF	100	35.43	99	78-129	
13C12-1,2,3,4,7,8,9-HpCDF	100	37.04	97	77-129	
Cleanup Standard	**pg/uL**				
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.60	98	31-191	

A L S L i f e S c i e n c e s

Continuing Calibration Report

Samole Name	**CCV**	Samoline Date	n/a		
ALS Sample ID	H12-24-CCV-0395	Extraction Date	n/a		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	*M.Elchawiche*
Analysis Type	CCV	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	1		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B1S
Run Date	25-Jul-24 20:41
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.59	97	78-129	
1,2,3,7,8-PeCDD	50	31.60	100	78-130	
1,2,3,4,7,8-HxCDD	50	33.81	103	78-128	
1,2,3,6,7,8-HxCDD	50	33.88	101	78-128	
1,2,3,7,8,9-HxCDD	50	34.08	103	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.39	102	86-116	
OCDD	100	39.32	100	79-126	
2,3,7,8-TCDF	10	28.04	102	84-120	
1,2,3,7,8-PeCDF	50	30.87	102	82-120	
2,3,4,7,8-PeCDF	50	31.49	103	82-122	
1,2,3,4,7,8-HxCDF	50	33.23	101	90-112	
1,2,3,6,7,8-HxCDF	50	33.33	101	88-114	
2,3,4,6,7,8-HxCDF	50	33.76	97	88-114	
1,2,3,7,8,9-HxCDF	50	34.46	102	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.44	98	90-110	
1,2,3,4,7,8,9-HpCDF	50	37.04	101	86-116	
OCDF	100	39.68	101	63-159	
Extraction Standards	**pg/uL**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	100	28.56	103	82-121	
13C12-1,2,3,7,8-PeCDD	100	31.58	106	62-160	
13C12-1,2,3,4,7,8-HxCDD	100	33.80	97	85-117	
13C12-1,2,3,6,7,8-HxCDD	100	33.87	100	85-118	
13C12-1,2,3,4,6,7,8-HpCDD	100	36.37	105	72-138	
13C12-OCDD	200	39.31	105	48-207	
13C12-2,3,7,8-TCDF	100	28.03	101	71-140	
13C12-1,2,3,7,8-PeCDF	100	30.86	104	76-130	
13C12-2,3,4,7,8-PeCDF	100	31.47	105	77-130	
13C12-1,2,3,4,7,8-HxCDF	100	33.22	100	76-131	
13C12-1,2,3,6,7,8-HxCDF	100	33.32	100	70-143	
13C12-2,3,4,6,7,8-HxCDF	100	33.75	101	73-137	
13C12-1,2,3,7,8,9-HxCDF	100	34.45	102	74-135	
13C12-1,2,3,4,6,7,8-HpCDF	100	35.43	102	78-129	
13C12-1,2,3,4,7,8,9-HpCDF	100	37.03	105	77-129	
Cleanup Standard	**pg/uL**				
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.59	101	31-191	

A L S L i f e S c i e n c e s

Continuing Calibration Report

Samole Name	**CCV**	Samolino Date	n/a		
ALS Sample ID	H12-24-CCV-0396	Extraction Date	n/a		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	*M.Elchawiche*
Analysis Type	CCV	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	1		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B27
Run Date	26-Jul-24 03:51
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**pg/uL**	**Ret. Time**	**% Rec**	**Limits**	**Flags**
2,3,7,8-TCDD	10	28.59	102	78-129	
1,2,3,7,8-PeCDD	50	31.60	101	78-130	
1,2,3,4,7,8-HxCDD	50	33.81	99	78-128	
1,2,3,6,7,8-HxCDD	50	33.90	102	78-128	
1,2,3,7,8,9-HxCDD	50	34.08	104	82-122	
1,2,3,4,6,7,8-HpCDD	50	36.40	101	86-116	
OCDD	100	39.33	100	79-126	
2,3,7,8-TCDF	10	28.06	105	84-120	
1,2,3,7,8-PeCDF	50	30.87	103	82-120	
2,3,4,7,8-PeCDF	50	31.50	101	82-122	
1,2,3,4,7,8-HxCDF	50	33.24	99	90-112	
1,2,3,6,7,8-HxCDF	50	33.33	98	88-114	
2,3,4,6,7,8-HxCDF	50	33.76	100	88-114	
1,2,3,7,8,9-HxCDF	50	34.46	102	90-112	
1,2,3,4,6,7,8-HpCDF	50	35.44	101	90-110	
1,2,3,4,7,8,9-HpCDF	50	37.05	97	86-116	
OCDF	100	39.70	103	63-159	
Extraction Standards	**pg/uL**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	100	28.57	98	82-121	
13C12-1,2,3,7,8-PeCDD	100	31.58	105	82-160	
13C12-1,2,3,4,7,8-HxCDD	100	33.80	97	85-117	
13C12-1,2,3,6,7,8-HxCDD	100	33.88	100	85-118	
13C12-1,2,3,4,6,7,8-HpCDD	100	36.39	105	72-138	
13C12-OCDD	200	39.31	106	48-207	
13C12-2,3,7,8-TCDF	100	28.03	99	71-140	
13C12-1,2,3,7,8-PeCDF	100	30.86	105	76-130	
13C12-2,3,4,7,8-PeCDF	100	31.49	110	77-130	
13C12-1,2,3,4,7,8-HxCDF	100	33.23	100	76-131	
13C12-1,2,3,6,7,8-HxCDF	100	33.32	102	70-143	
13C12-2,3,4,6,7,8-HxCDF	100	33.75	101	73-137	
13C12-1,2,3,7,8,9-HxCDF	100	34.45	104	74-135	
13C12-1,2,3,4,6,7,8-HpCDF	100	35.43	104	78-129	
13C12-1,2,3,4,7,8,9-HpCDF	100	37.04	110	77-129	
Cleanup Standard	**pg/uL**				
37Cl4-2,3,7,8-TCDD (Cleanup)	10	28.59	99	31-191	

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SVOC DATA PACKAGE

SECTION 5: QC SAMPLE DATA

Including:

- Laboratory Method Blank Analysis Reports
- Laboratory Control Sample Analysis Reports
- Matrix Spike Analysis Reports
- Other QC Sample Analysis Reports (where applicable)

A L S L i f e S c i e n c e s

Laboratory Method Blank Analysis Report

Sample Name	**Method Blank**	Sampling Date	n/a		
ALS Sample ID	WG3789832-1	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1.00	g	*M.Elchaarkhe*
Analysis Type	Blank	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B08
Run Date	25-Jul-24 15:27
Final Volume	10 uL
Dilution Factor	1
Analysis Units	pg/g wwt
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	**TEF (WHO 2**	**Ret. Time**	**Conc. s/o wwt**	**EDL /o wwt**	**Flags**	**EMPC o wwt**	**LOL**
2,3,7,8-TCDD	1	28.59	<0.37	0.37	M,U	0.27	10
1,2,3,7,8-PeCDD	1	31.58	<0.82	0.82	M,U	0.69	50
1,2,3,4,7,8-HxCDD	0.1	Notfnd	<0.48	0.48	U		50
1,2,3,6,7,8-HxCDD	0.1	33.87	<0.47	0.47	M,U	0.45	50
1,2,3,7,8,9-HxCDD	0.1	34.08	<0.63	0.46	M,J,R	0.63	50
1,2,3,4,6,7,8-HpCDD	0.01	36.37	0.980	0.34	M,J		50
OCDD	0.0003	39.30	<1.8	0.52	M,J,R	1.8	100
2,3,7,8-TCDF	0.1	28.03	<0.49	0.33	M,J,R	0.49	10
1,2,3,7,8-PeCDF	0.03	30.86	0.875	0.40	M,J		50
2,3,4,7,8-PeCDF	0.3	Notfnd	<0.30	0.30	U		50
1,2,3,4,7,8-HxCDF	0.1	33.23	<0.36	0.36	U	0.31	50
1,2,3,6,7,8-HxCDF	0.1	33.33	0.646	0.35	J		50
2,3,4,6,7,8-HxCDF	0.1	33.76	0.575	0.35	J		50
1,2,3,7,8,9-HxCDF	0.1	34.45	<0.50	0.50	M,U	0.40	50
1,2,3,4,6,7,8-HpCDF	0.01	35.43	<0.34	0.25	M,J,R	0.34	50
1,2,3,4,7,8,9-HpCDF	0.01	37.00	<0.51	0.37	M,J,R	0.51	50
OCDF	0.0003	39.66	1.53	1.1	M,J		100

Extraction Standards	**pg**		**% Rec**	**Limits**
13C12-2,3,7,8-TCDD	2000	28.56	47	25-164
13C12-1,2,3,7,8-PeCDD	2000	31.58	52	25-181
13C12-1,2,3,4,7,8-HxCDD	2000	33.79	57	32-141
13C12-1,2,3,6,7,8-HxCDD	2000	33.87	57	28-130
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.37	57	23-140
13C12-OCDD	4000	39.29	54	17-157
13C12-2,3,7,8-TCDF	2000	28.03	41	24-169
13C12-1,2,3,7,8-PeCDF	2000	30.86	44	24-185
13C12-2,3,4,7,8-PeCDF	2000	31.47	54	21-178
13C12-1,2,3,4,7,8-HxCDF	2000	33.22	53	26-152
13C12-1,2,3,6,7,8-HxCDF	2000	33.31	54	26-123
13C12-2,3,4,6,7,8-HxCDF	2000	33.74	57	28-136
13C12-1,2,3,7,8,9-HxCDF	2000	34.44	53	29-147
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.41	51	28-143
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.03	45	26-138

Cleanup Standard	**pg**			
?C14-2.3.7.8-TCDD (Cleanup)	40	28.57	60	35-197

Homologue Group Totals	**# peaks**	**Conc. s/o wwt**	**EDL /o wwt**		
Total-TCDD	0	<0.37	0.37	U	10
Total-PeCDD	0	<0.82	0.82	U	50
Total-HxCDD	0	<0.48	0.48	U	50
Total-HpCDD	1	0.980	0.34		50
Total-TCDF	0	<0.33	0.33	U	10
Total-PeCDF	1	0.875	0.40		50
Total-HxCDF	2	1.22	0.50		50
Total-HpCDF	0	<0.37	0.37	U	50

Toxic Equivalency - (WHO 2005)	**pg/g wwt**
Lower Bound PCDD/F TEQ (WHO 2005)	0.159
Mid Point PCDD/F TEQ (WHO 2005)	1.01
Upper Bound PCDD/F TEQ (WHO 2005)	1.74

EDL	Indicates the Estimated Detection Limit based on the measured backcround noise for this tarcet in this samole.
TEF	Indicates the Toxic Equivalency Factor TEQ Indicates the Toxic Equivalency
M	Indicates that a peak has been manually integrated.
U	Indicates that this compound was not detected above the EDL.
J	Indicates that a target analyte was detected below the calibrated range.
R	Indicates that the ion abundance ratio for this compound did not meet the acceptance criterion.
LQL	Lower Quantification Limit, based on the lowest calibration level corrected for sample size, splits and dilutions.
EMPC	Estimated Maximum Possible Concentration – elevated detection limit due to interference or positive id criterion failure

A L S L i f e S c i e n c e s

Laboratory Control Sample Analysis Report

Sample Name	**Laboratory Control Sample**	Sampling Date	n/a		
ALS Sample ID	WG3788832-2	Extraction Date	18-Jul-24		Approved:
Analysis Method	EPA 1613B	Sample Size	1	n/a	M.Elchawiche
Analysis Type	LCS	Percent Moisture	n/a		--e-signature--
Sample Matrix	QC	Split Ratio	2		26-Jul-2024

Run Information	**Run 1**
Filename	12-240725B02
Run Date	25-Jul-24 12:56
Final Volume	10 uL
Dilution Factor	1
Analysis Units	%
Instrument - Column	HRMS-12 ZB-DX1171742

Target Analytes	pg	Ret. Time	% Rec	Limits	Flags
2,3,7,8-TCDD	200	28.60	81	67-158	
1,2,3,7,8-PeCDD	1000	31.61	104	70-142	
1,2,3,4,7,8-HxCDD	1000	33.82	97	70-164	
1,2,3,6,7,8-HxCDD	1000	33.90	94	76-134	
1,2,3,7,8,9-HxCDD	1000	34.09	91	64-162	
1,2,3,4,6,7,8-HpCDD	1000	36.40	97	70-140	
OCDD	2000	39.32	89	78-144	
2,3,7,8-TCDF	200	28.07	94	75-158	
1,2,3,7,8-PeCDF	1000	30.89	118	80-134	
2,3,4,7,8-PeCDF	1000	31.50	98	68-160	
1,2,3,4,7,8-HxCDF	1000	33.24	95	72-134	
1,2,3,6,7,8-HxCDF	1000	33.34	99	84-130	
2,3,4,6,7,8-HxCDF	1000	33.77	93	70-156	
1,2,3,7,8,9-HxCDF	1000	34.47	95	78-130	
1,2,3,4,6,7,8-HpCDF	1000	35.45	100	82-122	
1,2,3,4,7,8,9-HpCDF	1000	37.05	112	78-138	
OCDF	2000	39.69	58	63-170	
Extraction Standards	**pg**		**% Rec**	**Limits**	
13C12-2,3,7,8-TCDD	2000	28.59	31	20-175	
13C12-1,2,3,7,8-PeCDD	2000	31.60	35	21-227	
13C12-1,2,3,4,7,8-HxCDD	2000	33.81	37	21-193	
13C12-1,2,3,6,7,8-HxCDD	2000	33.88	37	25-163	
13C12-1,2,3,4,6,7,8-HpCDD	2000	36.39	35	26-166	
13C12-OCDD	4000	39.31	31	13-138	
13C12-2,3,7,8-TCDF	2000	28.06	31	22-152	
13C12-1,2,3,7,8-PeCDF	2000	30.87	30	21-192	
13C12-2,3,4,7,8-PeCDF	2000	31.50	38	13-328	
13C12-1,2,3,4,7,8-HxCDF	2000	33.23	36	19-202	
13C12-1,2,3,6,7,8-HxCDF	2000	33.33	39	21-159	
13C12-2,3,4,6,7,8-HxCDF	2000	33.76	37	22-176	
13C12-1,2,3,7,8,9-HxCDF	2000	34.46	33	17-205	
13C12-1,2,3,4,6,7,8-HpCDF	2000	35.44	35	21-158	
13C12-1,2,3,4,7,8,9-HpCDF	2000	37.04	26	20-186	
Cleanup Standard	**pg**				
37Cl4-2,3,7,8-TCDD (Cleanup)	40	28.60	68	31-191	

ALS Life Sciences
1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 6: INTERNAL RECORDS

Including:

- Prep Logs
- Independent calculation checks
- Others as listed below:

Extraction Workup Sheet

Dx: Tray # 203
PCB: Tray # 303

14

Batch ID:	WG3789832	Analysis:	Tissue - DX/PCB

Prep procedure BU-TM-1110 Overall HR Prep

Analyst:	Tiegan Priestner	Date:	18-Jul-2024

SUBSAMPLING

Rotovap post GPC #

Sample I.D.	Client I.D.	Rotovap#	Wet Sub-sample (g)
WG3789832-1	Method Blank	13	1.2827
WG3789832-2	Laboratory Control Sample	11	1.2416
WG3789832-3	Extraction and Injection STD.	/	—
L2756004-2	15867240527101	12	1.0802
WG3789832-4	Duplicate (L2756004-2)	14	1.3865
L2756004-12	15867240528107	12	1.0009
L2756004-32	15867240528117	14	1.0776
L2756004-46	15867240529124	14	1.2493
L2756004-50	15867240529126	11	1.2306
L2756004-52	15867240529128	13	1.1300
L2756004-54	15867240529129	12	1.3069
L2756004-64	15867240530134	12	1.3587
L2756004-66	15867240530135	14	1.2482
L2756004-68	15867240530136	12	1.2381
L2756004-70	15867240530137	14	1.2646
	1g subsample size		

BATCH TRACKING

	Date/Time/Initials
Subsampling:	18-Jul-24 TJP
Client Labels Checked:	18-Jul-24 TJP
Balance ID:	7116
Samples Spiked	18-Jul-24 TJP
Soxhlet Start Time:	18-Jul-24 1:35 PM TJP
Soxhlets Reflux Properly:	18-Jul-24 TJP
Soxhlet End Time:	19-July-24 7:06am KL
Rotovap Reduction + temp check:	19-July-24 KL/RF
GPC:	19-July-24 KL/RF
Rotovap post GPC:	22-July-24 AH
Acid Column + temp check:	22-July-24 AH
Solvent exchange:	23-July-24 T.P.
Alumina Column + temp check:	23-July-24 T.P.
Split:	23-July-24 T.P.
Carbon column + temp check:	24-July-24 T.P.
Microvial: PCB:	23-July-24 T.P.
Microvial: DX:	24-July-24 T.P.

Batch ID:	WG3789832

DX Extraction Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789832-1	20	✓
WG3789832-2	20	✓
WG3789832-3	20	✓
L2756004-2	20	✓
WG3789832-4	20	✓
L2756004-12	20	✓
L2756004-32	20	✓
L2756004-46	20	✓
L2756004-50	20	✓
L2756004-52	20	✓
L2756004-54	20	✓
L2756004-64	20	✓
L2756004-66	20	✓
L2756004-68	20	✓
L2756004-70	20	✓
	20	
	20	
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 440

Standard: 1613B-ES#1- 118F

Spike Date: 18-JUL4-2024

Spike Witnessing

	Chemist's Initials / Witness's Initials
Chemist:	TJP
Witness:	EH
Correct Syringe Obtained: (Witness's Initials)	EH
Correct Standard Obtained: (Witness's Initials)	EH
Correct Technique Followed: (Witness's Initials)	EH

PCB Extraction Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789832-1	20	✓
WG3789832-2	20	✓
WG3789832-3	20	✓
L2756004-2	20	✓
WG3789832-4	20	✓
L2756004-12	20	✓
L2756004-32	20	✓
L2756004-46	20	✓
L2756004-50	20	✓
L2756004-52	20	✓
L2756004-54	20	✓
L2756004-64	20	✓
L2756004-66	20	✓
L2756004-68	20	✓
L2756004-70	20	✓
	20	
	20	
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 404

Standard: 1668A-ES#2- 112L

Spike Date: 18-JUL4-2024

Spike Witnessing

	Chemist's Initials / Witness's Initials
Chemist:	TJP
Witness:	EH
Correct Syringe Obtained: (Witness's Initials)	EH
Correct Standard Obtained: (Witness's Initials)	EH
Correct Technique Followed: (Witness's Initials)	EH

Batch ID:	WG3789832

DX Native Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789832-2	20	✓
WG3789832-3	20	✓

Syringe ID: 383
Standard: 1613B-NS#3- 0516
Date & Initials: 18-Jul-2024 TJP

PCB Native Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789832-2	20	✓
WG3789832-3	20	✓

18-Jul-2024 EH
Syringe ID: ~~383~~ 403
Standard: 1668A-NS#1- 0606
Date & Initials: 18-Jul-2024 TJP

Batch ID:	WG3789832

DX Cleanup Standard:

Sample I.D.	Volume (ul)	Spiked (Checkmark)
WG3789832-1	20	✓
WG3789832-2	20	✓
WG3789832-3	20	N/A
L2756004-2	20	✓
WG3789832-4	20	✓
L2756004-12	20	✓
L2756004-32	20	✓
L2756004-46	20	✓
L2756004-50	20	✓
L2756004-52	20	✓
L2756004-54	20	✓
L2756004-64	20	✓
L2756004-66	20	✓
L2756004-68	20	✓
L2756004-70	20	✓
	20	
	20	
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 0467

Standard: 1613B-CL#2- 104D

Date & Initials: 22-July-24 AM

	Witness's Initials
Correct Syringe Obtained:	
Correct Standard Obtained:	
Correct Technique Followed:	

PCB Cleanup Standard:

Sample I.D.	Volume (ul)	Spiked (Checkmark)
WG3789832-1	20	✓
WG3789832-2	20	✓
WG3789832-3	20	N/A
L2756004-2	20	✓
WG3789832-4	20	✓
L2756004-12	20	✓
L2756004-32	20	✓
L2756004-46	20	✓
L2756004-50	20	✓
L2756004-52	20	✓
L2756004-54	20	✓
L2756004-64	20	✓
L2756004-66	20	✓
L2756004-68	20	✓
L2756004-70	20	✓
	20	
	20	
	20	
	20	
	20	
	20	
	20	
	20	

Syringe ID: 395

Standard: 1668A-CL#2- 060L

Date & Initials: 22-July-24 AM

	Witness's Initials
Correct Syringe Obtained:	AM
Correct Standard Obtained:	AM
Correct Technique Followed:	AM

Batch ID:	WG3789832

DX Injection Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789832-1	10	✓
WG3789832-2	10	✓
WG3789832-3	10	✓
L2756004-2	10	✓
WG3789832-4	10	✓
L2756004-12	10	✓
L2756004-32	10	✓
L2756004-46	10	✓
L2756004-50	10	✓
L2756004-52	10	✓
L2756004-54	10	✓
L2756004-64	10	✓
L2756004-66	10	✓
L2756004-68	10	✓
L2756004-70	10	✓
	10	
	10	
	10	
	10	
	10	
	10	
	10	
	10	

Syringe ID: 458

Standard: 1613B-IS#1- 12oF

Date & Initials: 24 - July - 2024 T.P.

	Witness's Initials
Correct Syringe Obtained:	T.P.
Correct Standard Obtained:	T.P.
Correct Technique Followed:	T.P.

PCB Injection Standard:

Sample I.D.	Volume (ul)	(Checkmark) Spiked
WG3789832-1	5	✓
WG3789832-2	5	✓
WG3789832-3	5	✓
L2756004-2	5	✓
WG3789832-4	5	✓
L2756004-12	5	✓
L2756004-32	5	✓
L2756004-46	5	✓
L2756004-50	5	✓
L2756004-52	5	✓
L2756004-54	5	✓
L2756004-64	5	✓
L2756004-66	5	✓
L2756004-68	5	✓
L2756004-70	5	✓
	5	
	5	
	5	
	5	
	5	
	5	
	5	
	5	
	5	

Syringe ID: 444

Standard: 1668A-IS#2- 028F

Date & Initials: 23 - July - 2024 T.P.

	Chemist's Initials
Correct Syringe Obtained:	T.P.
Correct Standard Obtained:	T.P.
Correct Technique Followed:	T.P.

Batch ID:	WG3789832

Reagent Lot Numbers:

Reagent	Lot#	Comment
Acetone	109186	
Hexane	109252	
DCM	109285	
Toluene	MKCV8467	
Nonane	ORG-NON- 084	
1:1 DCM:HEX	ORG-DH2- 947	
Sodium Sulphate	ORG-SSU- 3405, 3406,	3408, 3410, 3400, 3409
Acid Silica	ORG-ASI- 13122, 13127	
Neutral Silica	ORG-NSI- 3588	
Alumina	ORG-ALU- 651	
Chromacarb	ORG-CC- 394, 395	
Sand	ORG-SAND- –	
Corn oil	ORG-CO- –	

Thimbles 180320250I

N-Evap Number:

Extract Reduction Step	N-evap# used
Post Rotovap	8
Acid Silica/Solvent Exchange	2
Alumina F2	2
Carbon F2	6
Microvial (DX)	6
Microvial (PCB)	2

Batch ID:	WG3789832

Procedure:

This batchsheet is a guideline only. Please see test procedure for complete set of instructions.
Extraction:
- Subsample size =1g.
- Mix with sodium sulphate to create a free-flowing mixture.
- Spike Extraction and Native Standards.
- Soxhlet extract in DCM overnight
- Roto-vap down to ~2ml. Transfer to a c-tube with 3x2ml Hexane rinses.
- Reduce to 1mL and transfer to GPC tube
- Pass through the GPC with our regular program
- Rotovap after GPC and reduce to 1ml.
-Spike Cleanup Standards
- Acid Silica column
- Elute to 50ml with Hexane.
DX/PCB
- Reduce to **50uL**, bulk up with 1mL of Hexane
- Perform Alumina Column:
• Pre-elute the Alumina Column with 7ml Hexane
• Place F1 c-tube under the column, then load the sample with 3x 1ml Hexane Rinses
• F1 1mL of Hexane
• F2 (DX/PCB) 14ml 1:1 DCM:Hexane
- Blow down to 2ml
-Split 1/2 PCB and 1/2 DX
PCB:
- Vortex **very** well.
- Transfer every last drop to a micro-vial (no rinses).
- Blow down to the mark. (Micro-vial should contain 20ul Nonane, and the level should be marked.)
- Spike PCB Injection Standard. Cap and Vortex **FV = 25ul**

DX:

- Carbon Column: - 4cm of well-packed chroma-carb.
  - Pre-elute Carbon with 5ml Hexane
  - Transfer with 3x1ml Hexane
  - F1 = **10ml** 1:1 DCM:Hexane (Archive)
  - After dripping has stopped Invert Column.
  - F2 = 14ml Toluene (DX)

- After the column has stopped dripping reduce the **F2** portion down to ~1/2ml.

- Vortex well, then transfer to a micro-vial without rinses.
- Blow the micro-vial down to just-dry.
- Spike with Injection Standard, Cap the micro-vial, and Vortex. **FV=10ul**

Approval of Deviation from Standard Method

(Batch Writer): _____

☐ Procedure does deviate from Standard Method. **Approved (Supervisor/Manager):** _____

Comments:

- Label and save all columns.

WG3789832			Prep Analyst:		
Tissue - DX/PCB			Date:		
	Very Good	Meets Method Req	Some Outliers	Very Poor	Comments / Was spl/batch sent for rework? Why?
MB					
LCS					
DUP					
ES rec					

A L S L i f e s c i e n c e s

Sample Calculation Report

CS3 RRF Check

Approved: *M.Elchawiche --e-signature-- 26-Jul-2024*

RRF = (Response of 2,3,7,8-TCDD / Response of 13C12-2,3,7,8-TCDD) x (Concentration of 13C12-2,3,7,8-TCDD / Concentration of TCDD)

						Calculated Value	Value from TargetLynx
RRF	=	**300958.20** / **3367934.50**	x	**100** / **10**	=	**0.89**	**0.89**

Calculation of OCDD amount in L2756004-2

pg/g wwt = (Response of OCDD / Response of 13C12-OCDD) x (pg of 13C12-OCDD spiked / Mean RRF * Sample Size)

pg/g wwt	=	**4784.9** / **1859042.1**	x	**4000** / **0.96**	*	**1.08**	=	**9.91**	**9.91**

Calculation of 13C12-2,3,7,8-TCDD Recovery in L2756004-2

% Recovery = (Response of 13C12-2,3,7,8-TCDD / Response of 13C12-1,2,3,4-TCDD) x (pg of 13C12-1,2,3,4-TCDD spiked / Mean RRF * Amount Spiked * 100)

% Recovery	=	**2228132.8** / **2744529.9**	x	**2000** / **1.21**	*	**100** / **2000**	=	**67**	**67** **%**

1435 Norjohn Court, Unit 1, Burlington, ON, Canada L7L 0E6

SVOC DATA PACKAGE

SECTION 7: SHIPPING/RECEIVING DOCUMENTS

Including:

- Airbills
- Chain-of-Custody Records
- Sample Log-in Sheet(s) - where applicable
- Others as listed below:

EO2404138

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120251

Page: 1 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report:Y N

Company Name: Matrix Solutions inc
Contact Name: Lindsay Ritter
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: Soil sveg program
Location: SWAN Hills Treatment centre
Sampler's Name(s): L. Ritter / M. Wheatley

AFE #: PO - 0 65460

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG
- BC CSR

Other: SEE & VOTE EO24-M501200

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
Additional Emails: lritter@matrix-solutions.com

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Diatins & Furans	Congener PCBs	Lems PCBs	A-PCB	mctals	PH/EC	HOLD
1	15867240527 001	plot 402		live moss	May 27/24		1	3	X	X		X	X	X	
2	001	plot 402		LAB TEA			2	3	X	X			X		
3	002	—		live moss			1	0					X	X	
4	002	—		LAB TEA			1	0					X		
5	003	plot 29		live moss			1	1			X				
6	103	plot 29		LAB TEA			1	1			X				
7	004	plot 14		live moss			1	1			X				
8	104	plot 14		LAB TEA			1	1			X				
9	005	plot 16		live moss			1	1			X				
10	105	plot 16		LAB TEA			1	1			X				
11	006	plot 13		live moss			1	1			X				
12	106	plot 13		LAB TEA				1			X				
13	401	Field Blank		BLANK			0	1				X			
14	402	Trip Blank		BLANK	✓		0	1							X
15	15867240528 007	plot 123		moss	May 28/24		1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay Ritter Date/Time: May 30/24 6pm
Signature:

Received by: SL 31-MAY-24 10:11 Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: STEMO NOSR PRIOR TO ANALYZING SAMPLES

20, 23, 16
23 56, 28
17, 27

J = jars V = vials

Environmental Division
Edmonton
Work Order Reference
EO2404138

Telephone : +1 780 413 5227

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120254

Page: 2 of 11

Lab Submitted to : ALS
Lab Agreement no :
Lab Job ID:

Invoice to: Require Report: Y ✓ N

Company Name: Matrix Solutions Inc
Contact Name: Lindsay Officer
Address:
PC:
Phone / Fax#: Ph: Fax:

Copy of Report to:
Matrix Solutions - EDS
Suite 600, 214 - 11th Avenue SW
Calgary, Alberta, Canada
T2R 0K1
Ph: 403-237-0606 Fax: 403-263-2493
email invoices to ap@matrix-solutions.com

Matrix Project # : 15867-503
Matrix Proj. Name: Soil & VEG program
Location: SWAN Hills Treatment Centre
Sampler's Name(s): L.Officer / M. Wheatley

AFE #: PO-065460

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: SEE Quote E024-MS01100

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: lofficer@matrix-solutions.com

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins & Furans	Congener PCBs	HRMS	LRMS PCBs	A-PCB	metals	pH/EC	HOLD
1	15867240528107	plot 123	—	LAB TEA	May 28/24		2	3	X	X				X		
2	098	plot 9	—	moss			1	1				X				
3	108	↓	—	LAB TEA			1	1				X				
4	009		—	moss			0	1				X				
5	109	↓	—	LAB TEA			0	1				X				
6	010	plot 7	~~moss~~ 20	moss			1	1				X				
7	110	plot 7	~~LAB TEA~~ 10	LAB TEA			1	1				X				
8	011	plot 8	—	moss			1	1				X				
9	111	↓	—	LAB TEA	↓		1	1				X				
10	012	plot 6	—	moss	May 28/24		1	1				X				
11	112	↓	—	LAB TEA	↓		1	1				X				
12	013		—	moss			0	1				X				
13	113	↓	~	LAB TEA	↓		0	1				X				
14	014	plot 104	—	moss			1	1				X				
15	114	↓	—	LAB TEA	↓		1	1				X				

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lindsay officer Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: Send RQSR prior to Analyzing samples

J = jars V = vials

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ENVIRONMENT & ENGINEERING

COC # 120255

Page: 3 of 11

Lab Submitted to : ALS
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Calgary, Alberta, Canada
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Matrix Project # : 15867-503
Matrix Proj. Name: Soil & Veg program
Location: SWAN HILLS Treatment Centre
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1 [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [X] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
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	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins & Furans	Congener PCBs	Hams	LRMS PCBs	A-PCB	Metals	PHC/BTEX	HOLD
1	15867240528015	plot 1	—	moss	May 28/24		1	1				X				
2	115	↓	—	LAB TEA			1	1				X				
3	016	plot 2	—	moss			1	1				X				
4	116	↓	—	LAB TEA			1	1				X				
5	017	plot 11	—	moss			1	3	X	X			X	X	X	
6	117	↓	—	LAB TEA			2	3	X	X				X		
7	018	plot 12	—	moss			1	1				X				
8	118	↓	—	LAB TEA			1	1				X				
9	019	plot 28	—	moss			1	1				X				
10	119	↓	—	LAB TEA			1	1				X				
11	020	plot 26	—	moss			1	1				X				
12	120	↓	—	LAB TEA			1	1				X				
13	021	plot 81	—	moss			1	1				X				
14	121	↓	—	LAB TEA	↓		1	1				X				
15	403	Field Blank	—	BLANK	↓		0	1					X			
									/	/	/	/	/	/	/	/

Preserved/Filtered

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Relinquished by: Lindsay Miller Date/Time: May 30/24 6pm
Signature:
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Signature:

COMMENTS/SPECIAL INSTRUCTIONS see p.1

J = jars V = vials

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COC # 117776

Page: 1 of 1

Lab Submitted to : ALS
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Matrix Project # : 19867-503
Matrix Proj. Name: SSV program
Location: SHTC
Sampler's Name(s): LO/MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
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	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Dioxins Furans	Congener PCBs	Hg-MS	LPMS PCBs	A-PCB	metals	pH/EC	HOLD
1	15867240529022	plot 15	—	live mass	May 29/21		1	1				X				
2	122	plot 15	—	LAB TEA			1	1				X				
3	023	plot 121	—	live mass			1	1				X	X			
4	123	plot 121	—	LAB TEA			1	1				X				
5	024	plot 110	—	live mass			1	3	X	X			X	X	X	
6	124	plot 110	—	LAB TEA			2	3	X	X				X		
7	025	Plot 80	—	live mass			1	1				X				
8	125	plot 80	—	LAB TEA			1	1				X				
9	026	plot 4	—	live mass			1	3	X	X			X	X	X	
10	126	plot 4	—	LAB TEA			2	3	X	X				X		
11	027	—	—	live mass			0	2								X
12	127	—	—	LAB TEA			0	2								X
13	028	plot 109	—	live mass			1	3	X	X			X	X	X	
14	128	plot 109	—	LAB TEA			2	3	X	X				X		
15	029	—	—	live mass			1	3	X	X			X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" — Preserved/Filtered

Relinquished by: Lindsay Slater **Date/Time:** May 30/21 6pm
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COMMENTS/SPECIAL INSTRUCTIONS: see p.1

J = jars V = vials

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ENVIRONMENT & ENGINEERING

COC # 117777

Page: 5 of 11

Lab Submitted to: ALS
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Matrix Project # : 15867-503
Matrix Proj. Name: 5 yr program
Location: 5 ATC
Sampler's Name(s): LO / MW

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Dioxins & Furans	Congener PCBs	Hexa PCBs	A-PCB	metals	DA/EC	HOLD
1	15867240529 129	—	LABTEA	~~MOSS~~	May 29/24		1	3	X	X			X		
2	030	plot 5	live moss	live moss			1	1			X				
3	130	plot 5	LABTEA	LABTEA			1	1			X				
4	031	plot 102	moss	live moss			1	1			X				
5	131	plot 102	LABTEA	LAB TEA			1	1			X				
6	032	plot 103	Live moss	live moss			1	1			X				
7	132	plot 103	LAB TEA	LAB TEA			1	1			X				
8	404	FIELD BLANK	—	—			0	1				X			
9	15867240530 033	plot 27	live moss	live moss	May 30/24		1	1			X				
10	133	↓	LABTEA	LABTEA			1	1			X				
11	034	plot 117	—	live moss			1	3	X	X		X	X	X	
12	134	↓	—	LABTEA			2	3	X	X			X		
13	035	plot 114	—	live moss			1	3	X	X		X	X	X	
14	135	↓	✓	LAB TEA			2	3	X	X		X	X		
15	036	plot 71	—	live moss			1	3	X	X		X	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" — Preserved/Filtered

Relinquished by: Lindsay Ritter Date/Time: May 30/24 6pm
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COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

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ENVIRONMENT & ENGINEERING

COC # 106148

Page: 6 of 11

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Matrix Project # : 15867-503
Matrix Proj. Name: SBV program
Location: SHTC
Sampler's Name(s): LO / MW

AFE #: see p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG Other: see p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) **Due Date:**
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: see p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Diox/Furans	Congener PCBs	Congener HRMS	LPMS PCBs	A-PCB	Metals	pH/EC	HOLD
1	15867240530136	plot 71	—	LABTEA	May 30/24		2	3	X	X				X		
2	037	plot 70	—	Leve moss			1	3	X	X			X	X	X	
3	137	↓	—	LABTEA			2	3	X	X				X		
4	038	—	—	Leve moss			0	1								X
5	138	—	—	LABTEA			0	1								X
6	405	Field Blank 24	—	—			0	1					X			
7	406	Trip Blank	—	—			0	1								X
8	407	↓	—	—	↓		0	1								X
9																
10																
11																
12																
13																
14																
15																
						Preserved/Filtered										

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Relinquished by: Lindsay Oliver **Date/Time:** May 30/24 6pm
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Received by: **Date/Time:**
Signature:

COMMENTS/SPECIAL INSTRUCTIONS see p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 120253

Page: 67 of 11

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Matrix Project # : 15867-503
Matrix Proj. Name: SSV program
Location: SHFC
Sampler's Name(s): LO / MW

AFE #: See p/l

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p/l

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p/l

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Lpms PCBs	Analysis Required: 4-PCBs	HOLD
1	15867240527201	plot 402	10-0	Soil	May 27/24			1	X	X	
2	202		0-5					1	X	X	
3	203		5-15					1	X	X	
4	15867 240528204	plot 123	5-0		May 28/24			1	X	X	
5	205		0-5					1	X	X	
6	206		5-15					1	X	X	
7	207	plot 11	5-0					1	X	X	
8	208		0-5					1	X	X	
9	209		5-15					1	X	X	
10	15867240529 210	plot 110	5-0		May 29/24			1	X	X	
11	211		0-5					1	X	X	
12	212		5-15					1	X	X	
13	213	plot 4	11-0					1	X	X	
14	214		0-5					1	X	X	
15	215		5-15					1	X	X	
								Preserved/Filtered			

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Relinquished by: Lisa Kay Oliver Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p/l

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 117778

Page: 8 of 11

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Matrix Project # : 15867-503
Matrix Proj. Name: SQV PROGRAM
Location: SHTC
Sampler's Name(s): LO/MW

AFE #:

REGULATORY REQUIREMENTS: (check)
- Alberta Tier 1
- BC CSR
- Alberta SW FAL
- Canadian Drinking Water
- CCME FAL
- SPIGEC
- SEQG

Other: See p.1

SERVICE REQUESTED:
- RUSH (Please ensure you contact the lab) Due Date:
- ✓ REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- ✓ Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: LPM3 PCBs	A-PCBs	HOLD
1	15867240529 216	plot 109	15-0	Soil	May29/24		0	1	X	X	
2	217	—	—				0	1	X	X	
3	218	plot 109	0-5				0	1	X	X	
4	219	—	—				0	1	X	X	
5	220	plot 109	5-15				0	1	X	X	
6	221	—	—				0	1	X	X	
7	15867240530 222	plot 117	5-0		MAY30/24		0	1	X	X	
8	223	↓	0-5				0	1	X	X	
9	224	↓	5-15				0	1	X	X	
10	225	plot 114	5-0				0	1	X	X	
11	226	↓	0-10				0	1	X	X	
12	227	↓	10-15				0	1	X	X	
13	228	plot 71	9-0				0	1	X	X	
14	229	↓	0-5				0	1	X	X	
15	230	↓	5-15	↓	↓		0	1	X	X	

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" Preserved/Filtered

Relinquished by: Lindsay Miller Date/Time: May30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS: See p.1

J = jars V = vials

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ENVIRONMENT & ENGINEERING

COC # 117779

Page: 8 of 11

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Matrix Project # : 15867-507
Matrix Proj. Name: SBV PROGRAM
Location: THTC
Sampler's Name(s): LO/MW

AFE #: See p1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (cm)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: LPMS PCBs	A-PCBs	HOLD
1	15867240570231	plot 70	7-0	Soil	May 30/24		0	1	X	X	
2	232		—				0	1	~~X~~ NO		X
3	233		0-5				0	1	X	X	
4	234		—				0	1	~~X~~ NO		X
5	235		5-15				0	1	X	X	
6	236		—				0	1	~~X~~ NO		X
7											
8											
9											
10											
11											
12											
13											
14											
15											

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required" Preserved/Filtered

Relinquished by: Lindsay Nikkel Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p1

J = jars V = vials

Matrix Solutions Inc.
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COC # 120252

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Matrix Project # : 15867-507
Matrix Proj. Name: SBV program
Location: SHTC
Sampler's Name(s): LD/mw

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] RUSH (Please ensure you contact the lab) Due Date:
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: Metals	HOLD
1	158672405273 01	MB24		MoSSBAG	May 27/24		1		X	
2	302	MB14					1		X	
3	303	MB9					1		X	
4	158672429 304	MB1			May 28/24		1		X	
5	305	MB2					1		X	
6	306	MB11					1		X	
7	307	MB19					1		X	
8	308	MB50					1		X	
9	158672429 309	MB26			May 29/24		1		X	
10	310	SITE 1					1		X	
11	311	SITE 9					1		X	
12	312	SITE 5					1		X	
13	313	MB15					1		X	
14	314	MB4					1		X	
15	315	MB5					1		X	
						Preserved/Filtered				

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Relinquished by: Lindsay Sifton Date/Time: May 30/24 6pm
Signature:
Received by: Date/Time:
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

Matrix Solutions Inc.
ENVIRONMENT & ENGINEERING

COC # 112100

Page: 11 of 11

Lab Submitted to : ALS
Lab Agreement no :
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Matrix Project # : 15867-503
Matrix Proj. Name: 3BV Project
Location: Shell
Sampler's Name(s): LD / MW

AFE #: See p.1

REGULATORY REQUIREMENTS: (check)
- [ ] Alberta Tier 1
- [ ] BC CSR
- [ ] Alberta SW FAL
- [ ] Canadian Drinking Water
- [ ] CCME FAL
- [ ] SPIGEC
- [ ] SEQG

Other: See p.1

SERVICE REQUESTED:
- [ ] **RUSH** (Please ensure you contact the lab) **Due Date:**
- [x] REGULAR Turnaround

REPORT DISTRIBUTION: always send to eds@matrix-solutions.com
- [x] Additional Emails: See p.1

	Sample Number (14 digits only) yr-mth-day	Sample Point Name	Depth (m)	Sample Type	Date/Time Sampled	Quanity # of Containers J/V	Bags	Bottles	Analysis Required: METALS	HOLD
1	15867 240530 316	MB20	—	MOSSBAG	May 30/24		1	2	X	
2	317	MB22	—	↓	↓		1	2	X	
3	318	MB71	—	↓	↓		1	2	X	
4	319	Vacuppod	—	MOSSPICK	↓		0	1	X	
5	320	MOSS	—	↓	↓		0	1	X	
6	321	↓	—	↓	↓		0	1	X	
7										
8										
9										
10										
11										
12										
13										
14										
15										

*For metals in water samples indicate if you want Total (T) or Dissolved (D) as part of "Analysis Required"

Preserved/Filtered

Relinquished by: Lyn May 31/24 6pm **Date/Time:** May 31/24 6pm
Signature:
Received by: **Date/Time:**
Signature:

COMMENTS/SPECIAL INSTRUCTIONS See p.1

J = jars V = vials

Sample Receiving Log

Date/Time Received	Client ID	Number/Description of Containers	Temp. on Receipt*	Condition of Samples, Courier & Tracking Information	Receiver's Initials	Date/Time Login Completed	Submission ID	Sample ID Range
7-JUNE-2024 10:10	MATRIX SOLUTIONS	80 x JARS OF PLANT TISSUE 23 x JARS OF SOIL	7.9°C	Good PUROLATOR 334754219312	MJ	Already Logged in	L2756004	-1-103

*Temperatures were recorded using:

☑ Dedicated I.R. gun (SPER 800106)

☐ Other (specify): _____

APPENDIX D
Summary Statistics

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Ag (mg/kg)																
Live Moss																
Plot 4	8	3	38	0.0966	0.1	0.1005	0.10975	0.23	0.097	0.101	No	15	10	66.67	---	---
Plot 11	8	4	50	0.0316	0.0444	0.0737	0.1	0.1	0.032	0.037	No	15	11	73.33	---	---
Plot 70	8	4	50	0.0392	0.043325	0.0741	0.1	0.1	0.039	0.04	No	15	11	73.33	---	---
Plot 71	8	3	38	0.0192	0.0281	0.069	0.1	0.3	0.022	0.03	No	15	10	66.67	---	---
Plot 109	8	4	50	0.07	0.086675	0.1	0.1	0.139	0.07	0.076	No	15	11	73.33	---	---
Plot 110	8	3	38	0.0236	0.032725	0.07425	0.1	1.3	0.034	0.03	No	15	9	60.00	---	---
Plot 114	8	3	38	0.0905	0.098275	0.1	0.12475	0.3	0.093	0.122	No	15	10	66.67	---	---
Plot 117	8	4	50	0.0497	0.065675	0.0932	0.1	0.1	0.051	0.071	No	15	11	73.33	---	---
Plot 123	8	3	38	0.0286	0.0356	0.06925	0.1	0.49	0.029	0.033	No	15	10	66.67	---	---
Plot 402	8	4	50	0.0301	0.035775	0.1	0.1	0.205	0.205	0.032	No	15	11	73.33	---	---
Labrador Tea Leaves																
Plot 4	10	7	70	0.0025	0.00315	0.00565	0.1	0.1	0.003	0.003	No	17	14	82.35	---	---
Plot 11	10	9	90	0.0025	0.0025	0.00385	0.1	0.13	0.003	0.005	**Yes**	17	16	94.12	---	---
Plot 70	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 71	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 109	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 110	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 114	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 117	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 123	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Plot 402	10	10	100	0.0025	0.0025	0.0025	0.1	0.1	0.003	0.003	No	17	17	100.00	---	---
Al (%)																
Live Moss																
Plot 4	8	0	0	0.042	0.0775	0.0807	0.08295	0.0965	0.083	0.08	No	15	0	0.00	-0.438	**0.026**
Plot 11	8	0	0	0.019	0.026	0.03785	0.042675	0.0622	0.036	0.04	No	15	0	0.00	-0.400	**0.042**
Plot 70	8	0	0	0.04	0.059075	0.065	0.07015	0.15	0.067	0.063	No	15	0	0.00	-0.619	**0.002**
Plot 71	8	0	0	0.02	0.029	0.04085	0.06125	0.073	0.046	0.059	No	15	0	0.00	-0.371	0.060
Plot 109	8	0	0	0.02	0.03025	0.04825	0.054025	0.0775	0.047	0.052	No	15	0	0.00	-0.514	**0.009**
Plot 110	8	0	0	0.015	0.02375	0.02765	0.030575	0.0383	0.031	0.028	No	15	0	0.00	-0.448	**0.023**
Plot 114	8	0	0	0.022	0.056	0.0582	0.072375	0.24	0.071	0.077	No	15	0	0.00	-0.305	0.125
Plot 117	8	0	0	0.046	0.0485	0.06845	0.0757	0.088	0.075	0.079	No	15	0	0.00	-0.305	0.125
Plot 123	8	0	0	0.018	0.03	0.03545	0.04425	0.0496	0.043	0.049	No	15	0	0.00	-0.324	0.102
Plot 402	8	0	0	0.032	0.041	0.0515	0.071775	0.147	0.147	0.057	No	15	0	0.00	-0.305	0.125
Labrador Tea Leaves																
Plot 4	10	0	0	0.0056	0.00806	0.0102	0.01195	0.015	0.012	0.01	No	17	0	0.00	-0.456	**0.012**
Plot 11	10	0	0	0.0047	0.0056825	0.00708	0.008095	0.011	0.01	0.005	No	17	0	0.00	-0.500	**0.006**
Plot 70	10	0	0	0.0051	0.00802	0.0091	0.00995	0.024	0.009	0.01	No	17	0	0.00	-0.515	**0.004**
Plot 71	10	0	0	0.0034	0.005445	0.0064	0.00669	0.0095	0.007	0.006	No	17	0	0.00	-0.529	**0.003**
Plot 109	10	0	0	0.00493	0.005305	0.00658	0.007165	0.0096	0.007	0.006	No	17	0	0.00	-0.485	**0.007**
Plot 110	10	0	0	0.0033	0.00529	0.006435	0.007835	0.011	0.008	0.006	No	17	0	0.00	-0.485	**0.007**
Plot 114	10	0	0	0.00539	0.006775	0.007835	0.0094	0.013	0.01	0.008	No	17	0	0.00	-0.551	**0.002**
Plot 117	10	0	0	0.005	0.0063175	0.0081	0.00924	0.012	0.01	0.008	No	17	0	0.00	-0.338	0.064
Plot 123	10	0	0	0.0027	0.0053025	0.005475	0.0069575	0.014	0.007	0.005	No	17	0	0.00	-0.397	**0.029**
Plot 402	10	0	0	0.0047	0.006985	0.00897	0.0100825	0.042	0.009	0.007	No	17	0	0.00	-0.456	**0.012**

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
As (mg/kg)																
Live Moss																
Plot 4	8	0	0	0.29	0.5	0.623	0.702	0.785	0.696	0.556	No	15	0	0.00	0.371	0.060
Plot 11	8	0	0	0.12	0.18225	0.207	0.24725	0.272	0.224	0.183	No	15	0	0.00	0.076	0.729
Plot 70	8	0	0	0.205	0.2095	0.2435	0.3125	0.43	0.267	0.208	No	15	0	0.00	-0.410	**0.038**
Plot 71	8	0	0	0.14	0.1565	0.2325	0.27	0.271	0.215	0.25	No	15	0	0.00	0.000	1.000
Plot 109	8	0	0	0.24	0.3625	0.554	0.68725	0.9	0.56	0.548	No	15	0	0.00	0.295	0.138
Plot 110	8	0	0	0.098	0.15925	0.198	0.24175	0.49	0.206	0.154	No	15	0	0.00	0.152	0.457
Plot 114	8	0	0	0.14	0.4525	0.5145	0.543	0.64	0.513	0.567	No	15	0	0.00	0.410	**0.038**
Plot 117	8	0	0	0.11	0.185	0.196	0.21475	0.234	0.214	0.234	No	15	1	6.67	0.333	0.092
Plot 123	8	0	0	0.067	0.125	0.1505	0.16325	0.24	0.153	0.148	No	15	1	6.67	0.267	0.181
Plot 402	8	0	0	0.15	0.235	0.264	0.2795	0.568	0.568	0.258	No	15	0	0.00	0.676	**0.001**
Labrador Tea Leaves																
Plot 4	10	3	30	0.025	0.05075	0.07	0.079	0.25	0.079	0.068	No	17	8	47.06	0.287	0.096
Plot 11	10	4	40	0.02	0.025	0.0275	0.03275	0.05	0.033	0.02	No	17	10	58.82	---	---
Plot 70	10	5	50	0.01	0.02275	0.025	0.02575	0.05	0.022	0.022	No	17	10	58.82	---	---
Plot 71	10	4	40	0.022	0.0235	0.025	0.028	0.05	0.029	0.022	No	17	10	58.82	---	---
Plot 109	10	4	40	0.01	0.025	0.034	0.04825	0.18	0.01	0.023	**Yes**	17	10	58.82	---	---
Plot 110	10	5	50	0.01	0.02325	0.025	0.038	0.058	0.024	0.026	No	17	10	58.82	---	---
Plot 114	10	3	30	0.025	0.03725	0.0475	0.04975	0.084	0.041	0.047	No	17	8	47.06	0.169	0.334
Plot 117	10	6	60	0.01	0.021	0.025	0.03175	0.05	0.01	0.024	**Yes**	17	11	64.71	---	---
Plot 123	10	9	90	0.01	0.01	0.0175	0.025	0.05	0.01	0.01	No	17	15	88.24	---	---
Plot 402	10	5	50	0.01	0.025	0.0265	0.02975	0.05	0.026	0.027	No	17	11	64.71	---	---
Cd (mg/kg)																
Live Moss																
Plot 4	8	0	0	0.308	0.40475	0.5	0.584	0.66	0.395	0.308	No	15	0	0.00	-0.448	**0.023**
Plot 11	8	0	0	0.102	0.1175	0.1255	0.1405	0.15	0.102	0.142	No	15	0	0.00	-0.343	0.083
Plot 70	8	0	0	0.065	0.14825	0.178	0.21575	0.24	0.166	0.211	No	15	0	0.00	-0.038	0.882
Plot 71	8	0	0	0.068	0.109725	0.145	0.16225	0.18	0.117	0.16	No	15	0	0.00	0.095	0.655
Plot 109	8	0	0	0.228	0.24725	0.33	0.3975	0.561	0.253	0.228	No	15	0	0.00	-0.533	**0.006**
Plot 110	8	0	0	0.0864	0.093075	0.1195	0.1375	0.16	0.093	0.092	No	15	0	0.00	-0.333	0.090
Plot 114	8	0	0	0.344	0.492	0.625	0.78	0.98	0.737	0.909	No	15	0	0.00	0.000	1.000
Plot 117	8	0	0	0.17	0.196	0.2155	0.26675	0.35	0.201	0.266	No	15	0	0.00	-0.067	0.767
Plot 123	8	0	0	0.058	0.079075	0.09485	0.11025	0.12	0.073	0.095	No	15	0	0.00	0.010	1.000
Plot 402	8	0	0	0.0901	0.12425	0.134	0.215	0.289	0.138	0.289	**Yes**	15	0	0.00	0.038	0.882
Labrador Tea Leaves																
Plot 4	10	3	30	0.009	0.01	0.0116	0.016125	0.045	0.017	0.009	No	17	4	23.53	-0.404	**0.024**
Plot 11	10	8	80	0.0025	0.0025	0.0084	0.01225	0.02	0.014	0.007	No	17	15	88.24	---	---
Plot 70	10	7	70	0.0025	0.0032	0.00845	0.01	0.02	0.008	0.009	No	17	14	82.35	---	---
Plot 71	10	8	80	0.0025	0.0025	0.0081	0.01	0.02	0.012	0.006	No	17	14	82.35	---	---
Plot 109	10	5	50	0.0025	0.00635	0.008	0.01	0.02	0.009	0.006	No	17	9	52.94	---	---
Plot 110	10	8	80	0.0025	0.0025	0.0076	0.01	0.02	0.009	0.007	No	17	15	88.24	---	---
Plot 114	10	3	30	0.01	0.0139	0.0168	0.018075	0.037	0.018	0.018	No	17	6	35.29	-0.051	0.799
Plot 117	10	8	80	0.0025	0.0025	0.0087	0.01	0.02	0.012	0.007	No	17	14	82.35	---	---
Plot 123	10	9	90	0.0025	0.0025	0.00625	0.01	0.02	0.011	0.003	No	17	16	94.12	---	---
Plot 402	10	6	60	0.0025	0.00605	0.00935	0.01	0.02	0.01	0.009	No	17	13	76.47	---	---

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Cr (mg/kg)																
Live Moss																
Plot 4	8	1	13	0.5	1.65	1.87	2.15	3.2	1.99	1.88	No	15	1	6.67	-0.467	**0.017**
Plot 11	8	3	38	0.5	0.5	0.6385	0.8265	1.8	0.677	0.6	No	15	3	20.00	-0.324	0.100
Plot 70	8	2	25	0.5	0.70475	0.8945	1.215	2	1.02	0.773	No	15	2	13.33	-0.629	**0.001**
Plot 71	8	3	38	0.5	0.5	0.6545	0.917	1.3	0.759	0.886	No	15	3	20.00	-0.362	0.066
Plot 109	8	2	25	0.5	1.1075	1.465	1.85	2.38	1.39	1.31	No	15	2	13.33	-0.552	**0.005**
Plot 110	8	4	50	0.434	0.49225	0.5	0.50075	0.571	0.503	0.434	No	15	6	40.00	-0.343	0.064
Plot 114	8	1	13	0.5	1.0655	1.355	1.7575	3.3	1.61	1.36	No	15	1	6.67	-0.419	**0.033**
Plot 117	8	3	38	0.5	0.5	0.5855	0.62525	2	0.656	0.615	No	15	4	26.67	-0.286	0.145
Plot 123	8	3	38	0.449	0.495	0.5	0.55275	1.7	0.48	0.522	No	15	6	40.00	-0.190	0.315
Plot 402	8	2	25	0.5	0.81575	0.9925	1.175	2.7	1.64	1.02	No	15	3	20.00	-0.095	0.654
Labrador Tea Leaves																
Plot 4	10	4	40	0.131	0.1825	0.1995	0.5	0.5	0.184	0.143	No	17	10	58.82	---	---
Plot 11	10	4	40	0.099	0.1575	0.2515	0.5	0.65	0.099	0.202	**Yes**	17	11	64.71	---	---
Plot 70	10	3	30	0.093	0.111	0.139	0.5	3.7	0.107	0.152	**Yes**	17	8	47.06	-0.088	0.606
Plot 71	10	4	40	0.051	0.097	0.2025	0.5	0.5	0.091	0.051	No	17	11	64.71	---	---
Plot 109	10	4	40	0.074	0.10375	0.1575	0.5	0.5	0.074	0.077	No	17	11	64.71	---	---
Plot 110	10	4	40	0.069	0.08275	0.2465	0.5	0.5	0.097	0.069	No	17	11	64.71	---	---
Plot 114	10	4	40	0.094	0.1265	0.231	0.5	0.5	0.134	0.094	No	17	11	64.71	---	---
Plot 117	10	4	40	0.062	0.09075	0.165	0.5	0.5	0.085	0.068	No	17	11	64.71	---	---
Plot 123	10	4	40	0.053	0.08775	0.232	0.5	0.5	0.093	0.086	No	17	11	64.71	---	---
Plot 402	10	4	40	0.074	0.11	0.1385	0.5	0.5	0.108	0.086	No	17	10	58.82	---	---
Cu (mg/kg)																
Live Moss																
Plot 4	8	0	0	8.94	10.28	12.5	14	17	9.92	8.94	No	15	0	0.00	-0.610	**0.002**
Plot 11	8	0	0	3.54	4.6725	5.515	6.85	22	4.73	3.54	No	15	0	0.00	-0.267	0.181
Plot 70	8	0	0	3.55	3.9875	4.39	5.55	44	3.92	3.55	No	15	0	0.00	-0.295	0.138
Plot 71	8	0	0	2.98	3.865	4.82	7.525	12	3.52	3.98	No	15	0	0.00	-0.067	0.767
Plot 109	8	0	0	8.4	8.8875	9.845	13.4	20	8.95	8.7	No	15	0	0.00	-0.638	**0.001**
Plot 110	8	0	0	3.6	3.7725	4.61	7.875	9.5	4.02	3.66	No	15	0	0.00	-0.076	0.729
Plot 114	8	0	0	7.2	8.8925	9.58	11.4	14	9.56	8.91	No	15	0	0.00	-0.457	**0.019**
Plot 117	8	0	0	3.9	4.5625	5.58	6.7	12	4.18	4.69	No	15	0	0.00	-0.171	0.400
Plot 123	8	0	0	3.47	3.8225	4.66	6.55	10	3.47	3.71	No	15	0	0.00	-0.038	0.882
Plot 402	8	0	0	3.69	4.155	5.505	8.85	11	4.19	4.05	No	15	0	0.00	0.086	0.692
Labrador Tea Leaves																
Plot 4	10	0	0	2.8	3.46	3.665	3.975	10	3.67	3.2	No	17	0	0.00	-0.331	0.070
Plot 11	10	0	0	2.3	3.0625	3.535	3.8025	24	3.53	2.95	No	17	0	0.00	-0.206	0.266
Plot 70	10	0	0	2.8	3.115	3.185	3.685	11	3.21	3.06	No	17	0	0.00	-0.235	0.200
Plot 71	10	0	0	1.8	2.75	2.9	3.1275	4.4	2.38	3.0	No	17	0	0.00	-0.324	0.076
Plot 109	10	0	0	2.1	2.6325	3.075	3.395	6.8	2.7	2.61	No	17	0	0.00	-0.294	0.108
Plot 110	10	0	0	1.8	3.0275	3.2	3.3525	12	3.24	3.0	No	17	0	0.00	-0.250	0.173
Plot 114	10	0	0	2.9	3.9025	4.16	4.4175	4.9	3.71	4.18	No	17	0	0.00	-0.140	0.457
Plot 117	10	0	0	2.5	3.19	3.52	3.615	6.9	3.58	3.46	No	17	0	0.00	-0.199	0.284
Plot 123	10	0	0	1.4	3.045	3.255	3.7225	9.5	3.04	3.04	No	17	0	0.00	-0.206	0.265
Plot 402	10	0	0	2.4	3.23	3.455	3.9275	10	3.41	3.2	No	17	0	0.00	-0.169	0.364

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Hg (mg/kg)																
Live Moss																
Plot 4	8	0	0	0.16	0.2475	0.339	0.44725	0.498	0.498	0.359	No	15	0	0.00	-0.086	0.692
Plot 11	8	0	0	0.056	0.1275	0.1425	0.167	0.22	0.153	0.132	No	15	0	0.00	-0.419	**0.033**
Plot 70	8	1	13	0.025	0.07475	0.10025	0.10775	0.18	0.107	0.08	No	15	1	6.67	-0.133	0.518
Plot 71	8	1	13	0.025	0.054625	0.06315	0.08475	0.11	0.067	0.078	No	15	1	6.67	-0.295	0.137
Plot 109	8	0	0	0.058	0.28075	0.4135	0.54825	1.01	0.477	0.603	No	15	0	0.00	-0.114	0.586
Plot 110	8	1	13	0.025	0.12025	0.1455	0.16	0.24	0.148	0.128	No	15	1	6.67	-0.552	**0.005**
Plot 114	8	0	0	0.12	0.2275	0.311	0.4185	0.872	0.872	0.359	No	15	0	0.00	0.124	0.553
Plot 117	8	1	13	0.025	0.06775	0.09045	0.1205	0.146	0.114	0.107	No	15	1	6.67	-0.210	0.298
Plot 123	8	2	25	0.025	0.04975	0.0948	0.11725	0.259	0.259	0.1	No	15	2	13.33	0.019	0.960
Plot 402	8	2	25	0.025	0.04675	0.09595	0.118	0.17	0.115	0.097	No	15	2	13.33	-0.029	0.921
Labrador Tea Leaves																
Plot 4	10	4	40	0.0194	0.024475	0.025	0.02845	0.0453	0.024	0.019	No	17	4	23.53	-0.191	0.289
Plot 11	10	3	30	0.0138	0.01715	0.0214	0.025	0.068	0.022	0.015	No	17	6	35.29	-0.007	1.000
Plot 70	10	3	30	0.0107	0.01115	0.01625	0.025	0.13	0.016	0.011	No	17	7	41.18	0.051	0.796
Plot 71	10	2	20	0.0156	0.018775	0.02215	0.025	0.082	0.023	0.016	No	17	4	23.53	-0.103	0.585
Plot 109	10	3	30	0.0121	0.015075	0.0197	0.025	0.07	0.017	0.012	No	17	6	35.29	-0.051	0.798
Plot 110	10	3	30	0.0093	0.014975	0.02065	0.025	0.11	0.019	0.014	No	17	5	29.41	-0.103	0.579
Plot 114	10	4	40	0.0196	0.02175	0.025	0.025	0.0362	0.023	0.02	No	17	6	35.29	-0.206	0.249
Plot 117	10	3	30	0.0085	0.0159	0.0204	0.025	0.26	0.018	0.016	No	17	4	23.53	-0.206	0.249
Plot 123	10	3	30	0.0112	0.0141	0.0156	0.025	0.08	0.014	0.014	No	17	6	35.29	-0.029	0.898
Plot 402	10	4	40	0.0135	0.0178	0.0196	0.025	0.025	0.019	0.017	No	17	7	41.18	0.044	0.827
Mo (mg/kg)																
Live Moss																
Plot 4	8	0	0	0.413	0.49225	0.551	0.6335	0.89	0.493	0.413	No	15	1	6.67	0.295	0.137
Plot 11	8	0	0	0.107	0.13	0.163	0.17575	0.32	0.156	0.107	No	15	1	6.67	0.000	1.000
Plot 70	8	2	25	0.05	0.083	0.109	0.128	0.24	0.124	0.094	No	15	3	20.00	-0.257	0.196
Plot 71	8	2	25	0.05	0.11225	0.183	0.224	0.29	0.214	0.222	No	15	3	20.00	0.143	0.486
Plot 109	8	0	0	0.36	0.3975	0.493	0.5875	0.682	0.405	0.375	No	15	1	6.67	0.067	0.767
Plot 110	8	0	0	0.124	0.15625	0.1875	0.22	2.9	0.185	0.124	No	15	1	6.67	0.086	0.692
Plot 114	8	0	0	0.28	0.445	0.4915	0.6325	0.69	0.456	0.466	No	15	1	6.67	0.248	0.214
Plot 117	8	0	0	0.1	0.136	0.1455	0.16975	0.34	0.163	0.142	No	15	1	6.67	0.181	0.373
Plot 123	8	2	25	0.05	0.0695	0.082	0.12325	0.23	0.076	0.081	No	15	3	20.00	-0.124	0.551
Plot 402	8	2	25	0.05	0.0875	0.1015	0.133	0.43	0.163	0.123	No	15	3	20.00	0.152	0.455
Labrador Tea Leaves																
Plot 4	10	2	20	0.032	0.046	0.049	0.05075	0.13	0.046	0.032	No	17	4	23.53	-0.140	0.451
Plot 11	10	7	70	0.01	0.0125	0.023	0.046	0.065	0.02	0.01	No	17	10	58.82	---	---
Plot 70	10	7	70	0.01	0.01275	0.0215	0.04375	0.05	0.01	0.021	**Yes**	17	11	64.71	---	---
Plot 71	10	7	70	0.01	0.01275	0.024	0.0455	0.05	0.021	0.01	No	17	11	64.71	---	---
Plot 109	10	3	30	0.025	0.0355	0.0435	0.05	0.056	0.035	0.025	No	17	5	29.41	-0.147	0.421
Plot 110	10	6	60	0.01	0.02525	0.028	0.048	0.05	0.01	0.029	**Yes**	17	10	58.82	---	---
Plot 114	10	3	30	0.026	0.0405	0.049	0.05	0.063	0.026	0.027	No	17	5	29.41	-0.110	0.553
Plot 117	10	7	70	0.01	0.01	0.0245	0.05	0.078	0.01	0.01	No	17	10	58.82	---	---
Plot 123	10	7	70	0.01	0.01	0.0235	0.04575	0.17	0.01	0.01	No	17	10	58.82	---	---
Plot 402	10	5	50	0.01	0.02225	0.0335	0.05	0.083	0.01	0.034	**Yes**	17	7	41.18	-0.118	0.518

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Ni (mg/kg)																
Live Moss																
Plot 4	8	0	0	1.6	2.0225	2.29	2.465	3.5	2.18	2.03	No	15	0	0.00	-0.381	0.052
Plot 11	8	1	13	0.5	1.075	1.125	1.39	2	1.13	1.12	No	15	5	33.33	0.152	0.448
Plot 70	8	0	0	1.31	1.39	1.45	1.9975	2.6	1.5	1.31	No	15	2	13.33	-0.429	**0.029**
Plot 71	8	2	25	0.5	0.7025	1.14	1.4025	1.5	1.07	1.21	No	15	6	40.00	-0.029	0.919
Plot 109	8	1	13	0.5	1.625	2	2.3	2.84	1.7	1.92	No	15	1	6.67	-0.410	**0.038**
Plot 110	8	3	38	0.5	0.5	0.645	0.6975	1.3	0.64	0.65	No	15	9	60.00	---	---
Plot 114	8	0	0	1.1	1.825	1.99	2.55	4	1.99	1.99	No	15	3	20.00	0.076	0.727
Plot 117	8	0	0	1.3	1.625	1.78	1.8425	2.4	1.82	1.91	No	15	3	20.00	0.000	1.000
Plot 123	8	2	25	0.5	0.98	1.265	1.335	2	1.14	1.33	No	15	8	53.33	---	---
Plot 402	8	2	25	0.5	1.175	1.54	1.755	2.8	1.89	1.6	No	15	8	53.33	---	---
Labrador Tea Leaves																
Plot 4	10	3	30	0.5	0.52	0.585	0.605	1	0.59	0.58	No	17	9	52.94	---	---
Plot 11	10	4	40	0.33	0.41	0.48	0.5	0.65	0.49	0.33	No	17	11	64.71	---	---
Plot 70	10	3	30	0.38	0.44	0.5	0.51	3.3	0.4	0.42	No	17	9	52.94	---	---
Plot 71	10	4	40	0.33	0.4075	0.47	0.5	0.6	0.43	0.4	No	17	11	64.71	---	---
Plot 109	10	4	40	0.5	0.5	0.605	0.7575	0.98	0.98	0.64	No	17	11	64.71	---	---
Plot 110	10	4	40	0.29	0.415	0.5	0.5	0.65	0.65	0.35	No	17	11	64.71	---	---
Plot 114	10	1	10	0.5	0.83	1.04	1.35	1.52	1.52	1.51	No	17	8	47.06	0.309	0.065
Plot 117	10	3	30	0.45	0.5	0.63	0.875	1.31	1.31	0.45	No	17	10	58.82	---	---
Plot 123	10	3	30	0.5	0.5475	0.755	0.8075	1	1.0	0.8	No	17	10	58.82	---	---
Plot 402	10	4	40	0.31	0.445	0.5	0.5	0.71	0.49	0.31	No	17	10	58.82	---	---
Pb (mg/kg)																
Live Moss																
Plot 4	8	0	0	9.13	10.575	11.85	13.45	16	11.1	9.13	No	15	0	0.00	-0.276	0.166
Plot 11	8	0	0	1.73	1.975	2.465	2.765	2.9	2.33	1.73	No	15	3	20.00	-0.095	0.654
Plot 70	8	0	0	1.3	1.42	1.75	1.915	2.7	1.45	1.3	No	15	1	6.67	-0.495	**0.011**
Plot 71	8	0	0	0.871	0.988	1.685	2.36	4.2	0.952	1.67	**Yes**	15	4	26.67	-0.029	0.919
Plot 109	8	0	0	9.28	9.7025	12.65	14.5	19.2	9.28	9.77	No	15	0	0.00	-0.476	**0.015**
Plot 110	8	0	0	1.67	2.11	3.41	3.625	3.9	1.99	1.67	No	15	3	20.00	0.010	1.000
Plot 114	8	0	0	3.4	7.465	8.605	9.4475	12.6	9.21	9.33	No	15	0	0.00	0.086	0.691
Plot 117	8	0	0	1.5	2.0675	2.1	2.2225	3	2.03	2.08	No	15	2	13.33	-0.200	0.320
Plot 123	8	0	0	0.53	0.703	0.767	1.1	1.29	0.745	0.744	No	15	6	40.00	-0.010	1.000
Plot 402	8	0	0	0.78	0.8845	1.185	1.325	1.66	1.66	0.906	No	15	6	40.00	0.124	0.501
Labrador Tea Leaves																
Plot 4	10	0	0	0.238	0.39675	0.608	0.692	1.2	0.317	0.238	No	17	6	35.29	-0.287	0.086
Plot 11	10	4	40	0.071	0.0975	0.1375	0.25	0.32	0.09	0.086	No	17	10	58.82	---	---
Plot 70	10	4	40	0.044	0.05375	0.0635	0.25	0.25	0.062	0.052	No	17	11	64.71	---	---
Plot 71	10	4	40	0.039	0.0545	0.0565	0.25	0.25	0.057	0.039	No	17	11	64.71	---	---
Plot 109	10	3	30	0.089	0.15	0.25	0.37825	0.73	0.089	0.095	No	17	8	47.06	-0.206	0.225
Plot 110	10	4	40	0.052	0.0675	0.084	0.25	0.25	0.066	0.06	No	17	10	58.82	---	---
Plot 114	10	4	40	0.193	0.25	0.25	0.337	0.734	0.24	0.193	No	17	10	58.82	---	---
Plot 117	10	4	40	0.07	0.07975	0.098	0.25	0.25	0.072	0.091	No	17	11	64.71	---	---
Plot 123	10	4	40	0.032	0.04575	0.0545	0.25	0.25	0.057	0.036	No	17	10	58.82	---	---
Plot 402	10	4	40	0.047	0.0575	0.072	0.25	0.25	0.057	0.059	No	17	11	64.71	---	---

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Sb (mg/kg)																
Live Moss																
Plot 4	8	0	0	0.19	0.25675	0.2875	0.308	0.44	0.275	0.226	No	15	1	6.67	-0.276	0.163
Plot 11	8	3	38	0.05	0.05725	0.0635	0.0985	0.13	0.059	0.052	No	15	6	40.00	-0.152	0.439
Plot 70	8	3	38	0.032	0.039	0.0465	0.07	0.13	0.043	0.032	No	15	8	53.33	---	---
Plot 71	8	3	38	0.021	0.0375	0.048	0.0775	0.21	0.038	0.036	No	15	9	60.00	---	---
Plot 109	8	0	0	0.2	0.252	0.296	0.35375	0.49	0.234	0.258	No	15	1	6.67	-0.314	0.112
Plot 110	8	2	25	0.044	0.0515	0.064	0.1325	10	0.052	0.044	No	15	8	53.33	---	---
Plot 114	8	0	0	0.12	0.21825	0.242	0.255	0.299	0.234	0.25	No	15	1	6.67	-0.010	1.000
Plot 117	8	3	38	0.05	0.0595	0.0685	0.1	0.14	0.071	0.066	No	15	7	46.67	0.038	0.876
Plot 123	8	3	38	0.025	0.04	0.047	0.07	0.13	0.031	0.043	No	15	9	60.00	---	---
Plot 402	8	3	38	0.029	0.03525	0.043	0.07	0.16	0.036	0.033	No	15	9	60.00	---	---
Labrador Tea Leaves																
Plot 4	10	4	40	0.017	0.01975	0.035	0.05	0.13	0.043	0.019	No	17	9	52.94	---	---
Plot 11	10	9	90	0.005	0.005	0.005	0.06875	0.27	0.005	0.005	No	17	15	88.24	---	---
Plot 70	10	8	80	0.005	0.005	0.0085	0.0575	0.13	0.012	0.005	No	17	14	82.35	---	---
Plot 71	10	10	100	0.005	0.005	0.005	0.05	0.13	0.005	0.005	No	17	16	94.12	---	---
Plot 109	10	8	80	0.005	0.005	0.024	0.05	0.13	0.005	0.005	No	17	14	82.35	---	---
Plot 110	10	9	90	0.005	0.005	0.005	0.0575	0.18	0.005	0.005	No	17	15	88.24	---	---
Plot 114	10	5	50	0.005	0.0125	0.018	0.05	0.13	0.005	0.011	**Yes**	17	11	64.71	---	---
Plot 117	10	9	90	0.005	0.005	0.005	0.0575	0.18	0.005	0.005	No	17	15	88.24	---	---
Plot 123	10	8	80	0.005	0.005	0.0085	0.0575	0.13	0.005	0.012	**Yes**	17	14	82.35	---	---
Plot 402	10	9	90	0.005	0.005	0.005	0.0575	0.13	0.005	0.005	No	17	15	88.24	---	---
Sn (mg/kg)																
Live Moss																
Plot 4	8	2	25	0.5	0.7325	1.05	1.2925	1.6	1.08	0.81	No	15	5	33.33	-0.133	0.507
Plot 11	8	4	50	0.24	0.2475	0.465	0.5	0.5	0.24	0.24	No	15	11	73.33	---	---
Plot 70	8	5	63	0.05	0.235	0.415	0.5	0.5	0.27	0.33	No	15	12	80.00	---	---
Plot 71	8	5	63	0.05	0.1625	0.345	0.5	0.5	0.19	0.17	No	15	12	80.00	---	---
Plot 109	8	2	25	0.5	0.74	0.91	1.175	1.47	0.82	0.86	No	15	4	26.67	-0.267	0.175
Plot 110	8	3	38	0.12	0.13	0.435	0.5	1.9	0.12	0.13	No	15	10	66.67	---	---
Plot 114	8	2	25	0.5	0.815	1.085	1.2225	1.3	1.14	1.03	No	15	7	46.67	0.133	0.487
Plot 117	8	3	38	0.24	0.345	0.5	0.505	1.1	0.52	0.38	No	15	10	66.67	---	---
Plot 123	8	4	50	0.14	0.19	0.37	0.5	0.5	0.2	0.16	No	15	11	73.33	---	---
Plot 402	8	4	50	0.11	0.1675	0.5	0.5	3.53	3.53	0.18	No	15	11	73.33	---	---
Labrador Tea Leaves																
Plot 4	10	8	80	0.05	0.05	0.275	0.5	0.5	0.05	0.05	No	17	14	82.35	---	---
Plot 11	10	8	80	0.05	0.05	0.165	0.5	0.65	0.05	0.05	No	17	13	76.47	---	---
Plot 70	10	9	90	0.05	0.05	0.21	0.5	0.5	0.05	0.05	No	17	15	88.24	---	---
Plot 71	10	10	100	0.05	0.05	0.05	0.5	0.5	0.05	0.05	No	17	16	94.12	---	---
Plot 109	10	9	90	0.05	0.05	0.08	0.5	0.5	0.05	0.05	No	17	15	88.24	---	---
Plot 110	10	10	100	0.05	0.05	0.05	0.5	0.5	0.05	0.05	No	17	16	94.12	---	---
Plot 114	10	9	90	0.05	0.05	0.095	0.5	0.5	0.05	0.05	No	17	15	88.24	---	---
Plot 117	10	7	70	0.05	0.0675	0.14	0.5	0.5	0.05	0.12	**Yes**	17	13	76.47	---	---
Plot 123	10	8	80	0.05	0.05	0.115	0.5	0.5	0.05	0.05	No	17	13	76.47	---	---
Plot 402	10	8	80	0.05	0.05	0.185	0.5	0.5	0.05	0.19	**Yes**	17	14	82.35	---	---

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Zn (mg/kg)																
Live Moss																
Plot 4	8	0	0	70	77.5	86.45	92.9	101	92.6	80.9	No	15	0	0.00	0.714	**0.000**
Plot 11	8	0	0	44	46.025	50.75	52.7	66.1	66.1	50.5	No	15	0	0.00	0.000	1.000
Plot 70	8	0	0	32	39.5	42.8	48.675	59	41.2	38.0	No	15	0	0.00	0.143	0.488
Plot 71	8	0	0	30.2	33.25	39.3	43.65	46.6	40.6	45.6	No	15	0	0.00	-0.257	0.198
Plot 109	8	0	0	44	59.25	71	80.2	89.3	78.0	81.4	No	15	0	0.00	0.410	**0.038**
Plot 110	8	0	0	50	55.275	61.8	63.5	71	56.7	51.0	No	15	0	0.00	0.086	0.692
Plot 114	8	0	0	48	68.5	74.3	90.225	114	89.9	91.2	No	15	0	0.00	0.600	**0.002**
Plot 117	8	0	0	29	31.9	35	43.45	43.6	43.4	43.6	No	15	0	0.00	0.410	**0.037**
Plot 123	8	0	0	30	43.75	51.7	57.55	58	49.9	57.7	No	15	0	0.00	0.486	**0.013**
Plot 402	8	0	0	30	40.25	53.2	57.3	64.8	53.4	64.8	No	15	0	0.00	0.238	0.235
Labrador Tea Leaves																
Plot 4	10	0	0	21	28.925	29.9	32.45	41	41.0	28.6	No	17	0	0.00	0.279	0.127
Plot 11	10	0	0	16	23.525	26.55	29.6	32.9	32.9	22.7	No	17	0	0.00	0.147	0.434
Plot 70	10	0	0	20	22.55	24.8	26.625	31	30.3	22.1	No	17	0	0.00	-0.088	0.650
Plot 71	10	0	0	15	19.15	21.6	24.8	28	25.3	22.1	No	17	0	0.00	-0.235	0.201
Plot 109	10	0	0	16	20.85	22	22.8	24.7	22.5	20.8	No	17	0	0.00	-0.132	0.484
Plot 110	10	0	0	13	21.175	23.2	26.05	29	28.8	23.4	No	17	0	0.00	-0.029	0.902
Plot 114	10	0	0	20	25	26.5	28.675	30.2	26.8	26.2	No	17	0	0.00	0.081	0.680
Plot 117	10	0	0	15	18.925	20.05	21.7	25.4	25.4	20.8	No	17	0	0.00	-0.022	0.934
Plot 123	10	1	10	5	19.7	20.05	21	23.2	23.2	19.7	No	17	1	5.88	0.051	0.804
Plot 402	10	0	0	17	23.2	25.85	27.175	36	29.4	27.1	No	17	0	0.00	0.162	0.387
Total PCB Congeners (mg/kg)																
Live Moss																
Plot 4	9	0	0	0.159	0.221	0.436	0.875	1.09	0.221	0.199	No	20	0	0.00	-0.326	**0.048**
Plot 11	9	0	0	0.017	0.0236	0.0288	0.0559	0.117	0.017	0.017	No	20	0	0.00	-0.489	**0.003**
Plot 70	9	0	0	0.0000653	0.000131	0.000137	0.000455	0.000521	0.0	0.0001	No	20	0	0.00	-0.684	**0.000**
Plot 71	9	0	0	0.0000748	0.000118	0.000142	0.000283	0.000954	0.0	0.0001	No	20	1	5.00	-0.574	**0.000**
Plot 109	9	0	0	0.0913	0.108	0.21	0.506	0.754	0.092	0.091	No	20	0	0.00	-0.189	0.256
Plot 110	9	0	0	0.00237	0.00351	0.0101	0.0133	0.0169	0.003	0.011	**Yes**	20	0	0.00	-0.579	**0.000**
Plot 114	9	0	0	0.0335	0.0364	0.0643	0.135	0.202	0.041	0.034	No	20	0	0.00	-0.463	**0.005**
Plot 117	9	0	0	0.00441	0.00632	0.0159	0.0284	0.0657	0.004	0.009	**Yes**	20	0	0.00	-0.463	**0.005**
Plot 123	9	0	0	0.00143	0.00267	0.00398	0.0106	0.0128	0.002	0.003	No	20	0	0.00	-0.379	**0.021**
Plot 402	9	0	0	0.000434	0.000675	0.00139	0.00172	0.00194	0.002	0.0004	No	20	0	0.00	-0.505	**0.002**
Labrador Tea Leaves																
Plot 4	10	0	0	0.0349	0.062475	0.0666	0.095	0.187	0.068	0.043	No	21	0	0.00	-0.567	**0.000**
Plot 11	10	0	0	0.00343	0.0048575	0.00624	0.009855	0.0195	0.011	0.003	No	21	0	0.00	-0.633	**0.000**
Plot 70	10	0	0	0.000142	0.00015625	0.0002915	0.00033875	0.00159	0.002	0.0003	No	21	0	0.00	-0.443	**0.005**
Plot 71	10	0	0	0.0000741	0.000112275	0.0002065	0.000407	0.00144	0.001	0.0002	No	21	0	0.00	-0.429	**0.007**
Plot 109	10	0	0	0.0104	0.024125	0.0272	0.0465	0.11	0.038	0.01	No	21	0	0.00	-0.505	**0.002**
Plot 110	10	0	0	0.00141	0.00163	0.002185	0.0033525	0.00624	0.003	0.001	No	21	0	0.00	-0.557	**0.000**
Plot 114	10	0	0	0.00824	0.00963	0.01245	0.019475	0.041	0.02	0.009	No	21	0	0.00	-0.624	**0.000**
Plot 117	10	0	0	0.00224	0.00254	0.002995	0.00523	0.00777	0.008	0.002	No	21	0	0.00	-0.600	**0.000**
Plot 123	10	0	0	0.000587	0.0007895	0.000854	0.0013075	0.00176	0.002	0.001	No	21	0	0.00	-0.648	**0.000**
Plot 402	10	0	0	0.0003	0.00037075	0.0005225	0.000621	0.000725	0.001	0.001	No	21	1	4.76	-0.500	**0.002**
PCB TEQ (ng TEQ/kg)																
Live Moss																
Plot 4	9	0	0	20.8	26.2	50.3	105	136	23.8	26.2	No	20	0	0.00	-0.400	**0.015**
Plot 11	9	0	0	1.29	3.05	3.65	7.2	17.9	1.29	2.32	**Yes**	20	0	0.00	-0.558	**0.001**
Plot 70	9	0	0	0.0177	0.0241	0.0469	0.0598	0.155	0.018	0.018	No	20	0	0.00	0.047	0.792
Plot 71	9	0	0	0.00956	0.0211	0.0255	0.0332	0.232	0.011	0.025	**Yes**	20	0	0.00	0.216	0.190
Plot 109	9	0	0	7.74	13.6	22.9	49	80.6	7.74	11.9	**Yes**	20	0	0.00	-0.274	0.098
Plot 110	9	0	0	0.255	0.429	1.24	1.5	1.85	0.255	1.34	**Yes**	20	0	0.00	-0.558	**0.001**
Plot 114	9	0	0	2.98	3.7	6.04	14.8	19.8	2.98	3.51	No	20	0	0.00	-0.537	**0.001**
Plot 117	9	0	0	0.319	0.741	1.44	3.29	5.86	0.319	0.98	**Yes**	20	0	0.00	-0.442	**0.007**
Plot 123	9	0	0	0.222	0.379	0.455	1.2	1.54	0.318	0.394	No	20	0	0.00	-0.326	**0.048**
Plot 402	9	0	0	0.0296	0.132	0.159	0.236	0.301	0.227	0.03	No	20	0	0.00	0.095	0.581
Labrador Tea Leaves																

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
Plot 4	10	0	0	3.45	7.9875	10.1	13.5	21.2	10.1	5.95	No	21	0	0.00	-0.671	**0.000**
Plot 11	10	0	0	0.556	0.72225	0.9285	1.3475	2.55	2.2	0.922	No	21	0	0.00	-0.333	**0.037**
Plot 70	10	0	0	0.0122	0.016975	0.05055	0.11075	0.419	0.419	0.208	No	21	0	0.00	0.343	**0.031**
Plot 71	10	0	0	0.00721	0.0262	0.08735	0.172	0.288	0.259	0.195	No	21	0	0.00	0.367	**0.021**
Plot 109	10	0	0	1.26	2.2825	3.275	5.5875	13.3	4.44	1.26	No	21	0	0.00	-0.381	**0.017**
Plot 110	10	0	0	0.0916	0.14325	0.247	0.3705	0.873	0.296	0.162	No	21	0	0.00	0.048	0.785
Plot 114	10	0	0	0.636	1.22	1.49	2.0125	5.12	1.11	1.49	No	21	0	0.00	-0.595	**0.000**
Plot 117	10	0	0	0.135	0.28375	0.479	0.6795	0.867	0.867	0.189	No	21	0	0.00	-0.024	0.904
Plot 123	10	0	0	0.0201	0.061525	0.1237	0.2185	0.254	0.214	0.254	No	21	0	0.00	0.181	0.263
Plot 402	10	0	0	0.0222	0.0481	0.09125	0.191	0.332	0.332	0.203	No	21	0	0.00	0.410	**0.008**

Appendix D.1

Summary of Basic Statistics and Trend Analysis - Live Moss and Labrador Tea Leaves

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3]								2024 Increases			Mann Kendal Trend Analysis [1,2,3]				
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum	Previous Value [5]	2024 Value	> 40% Change (*)	n	Non-Detect Count	% Non-Detect	Tau [4]	p-value [4]
PCDD/PCDF TEQ (ng TEQ/kg)																
Live Moss																
Plot 4	9	0	0	2.06	5.69	10.3	26.7	34.4	5.69	4.21	No	22	0	0.00	-0.636	**0.000**
Plot 11	9	0	0	0.643	0.77	1.38	4	11.1	0.643	0.761	No	22	0	0.00	-0.740	**0.000**
Plot 70	9	0	0	0.117	0.148	0.272	0.354	0.623	0.22	0.277	No	22	0	0.00	-0.368	**0.018**
Plot 71	9	0	0	0.121	0.133	0.208	0.227	0.461	0.133	0.222	**Yes**	22	0	0.00	-0.576	**0.000**
Plot 109	9	0	0	2.441	3.05	6.03	26.2	70.7	2.72	3.05	No	22	0	0.00	-0.394	**0.011**
Plot 110	9	0	0	0.192	0.378	0.871	1.64	3.13	0.307	0.871	**Yes**	22	0	0.00	-0.541	**0.000**
Plot 114	9	0	0	0.689	0.805	3.43	8.02	9.13	0.949	0.804	No	22	0	0.00	-0.459	**0.003**
Plot 117	9	0	0	0.177	0.293	0.697	1.94	6.26	0.177	0.439	**Yes**	22	0	0.00	-0.446	**0.004**
Plot 123	9	0	0	0.118	0.303	0.368	0.53	1.16	0.124	0.368	**Yes**	22	0	0.00	-0.550	**0.000**
Plot 402	9	0	0	0.136	0.213	0.232	0.318	1.03	0.209	0.232	No	22	0	0.00	-0.416	**0.007**
Labrador Tea Leaves																
Plot 4	10	0	0	0.268	0.7775	0.8265	1.1975	8.82	8.82	0.797	No	23	0	0.00	-0.348	**0.022**
Plot 11	10	0	0	0.22	0.3545	0.475	0.6205	4.51	4.51	0.463	No	23	0	0.00	-0.103	0.509
Plot 70	10	0	0	0.0968	0.1835	0.429	0.55625	6.26	6.26	0.711	No	23	0	0.00	0.036	0.833
Plot 71	10	0	0	0.0869	0.37675	0.5885	0.765	8.81	8.81	0.714	No	23	0	0.00	0.202	0.186
Plot 109	10	0	0	0.183	0.63625	0.8565	1.1275	3.88	3.88	0.617	No	23	0	0.00	-0.016	0.937
Plot 110	10	0	0	0.107	0.52225	0.79	0.90025	2.34	2.34	0.485	No	23	0	0.00	0.292	0.054
Plot 114	10	0	0	0.168	0.34175	0.523	1.63075	4.65	4.65	0.542	No	23	0	0.00	0.008	0.979
Plot 117	10	0	0	0.171	0.314	0.701	0.86925	9.45	9.45	0.608	No	23	0	0.00	0.265	0.081
Plot 123	10	0	0	0.0722	0.53875	0.8415	1.3675	6.57	6.57	0.861	No	22	0	0.00	0.325	**0.037**
Plot 402	10	0	0	0.15	0.43425	0.8335	1.425	4.29	4.29	0.91	No	23	0	0.00	0.332	**0.028**
Total TEQ (ng TEQ/kg)																
Live Moss																
Plot 4	9	0	0	22.86	30.41	58.75	131.7	170.4	29.49	30.41	No	22	0	0.00	-0.320	**0.039**
Plot 11	9	0	0	1.933	4.409	4.43	10.82	29	1.933	3.081	**Yes**	22	0	0.00	-0.541	**0.000**
Plot 70	9	0	0	0.1441	0.2377	0.2948	0.4009	0.6794	0.238	0.295	No	22	0	0.00	-0.385	**0.013**
Plot 71	9	0	0	0.13056	0.157	0.2467	0.2569	0.693	0.144	0.247	**Yes**	22	0	0.00	-0.550	**0.000**
Plot 109	9	0	0	10.46	16.041	28.93	75.2	151.3	10.46	14.95	**Yes**	22	0	0.00	-0.152	0.338
Plot 110	9	0	0	0.525	0.807	2.211	2.95	4.98	0.562	2.211	**Yes**	22	0	0.00	-0.671	**0.000**
Plot 114	9	0	0	3.929	4.505	9.47	23.93	28.29	3.929	4.314	No	22	0	0.00	-0.368	**0.018**
Plot 117	9	0	0	0.496	0.962	2.137	5.23	12.12	0.496	1.419	**Yes**	22	0	0.00	-0.385	**0.013**
Plot 123	9	0	0	0.34	0.74	0.762	1.696	2.452	0.442	0.762	**Yes**	22	0	0.00	-0.481	**0.002**
Plot 402	9	0	0	0.214	0.345	0.447	0.532	1.266	0.436	0.262	No	22	0	0.00	-0.316	**0.042**
Labrador Tea Leaves																
Plot 4	10	0	0	4.235	8.449	11.7155	17.4725	23	18.92	6.747	No	23	0	0.00	-0.391	**0.0096**
Plot 11	10	0	0	0.875	1.21125	1.4325	2.0325	6.71	6.71	1.385	No	23	0	0.00	-0.233	0.1256
Plot 70	10	0	0	0.1407	0.22765	0.45705	0.6513	6.679	6.679	0.919	No	23	0	0.00	0.067	0.6726
Plot 71	10	0	0	0.12021	0.399225	0.71535	0.94425	9.069	9.069	0.909	No	23	0	0.00	0.198	0.1952
Plot 109	10	0	0	1.877	2.94975	4.197	7.9305	14.93	8.32	1.877	No	23	0	0.00	-0.138	0.3692
Plot 110	10	0	0	0.305	0.82715	1.1015	1.27075	2.636	2.636	0.647	No	23	0	0.00	0.257	0.0910
Plot 114	10	0	0	1.013	1.98775	2.5415	3.8475	5.76	5.76	2.032	No	23	0	0.00	-0.233	0.1256
Plot 117	10	0	0	0.522	0.8105	0.9875	1.421	10.317	10.317	0.797	No	23	0	0.00	0.273	0.0725
Plot 123	10	0	0	0.2861	0.6309	1.0057	1.39765	6.784	6.784	1.115	No	22	0	0.00	0.338	**0.0298**
Plot 402	10	0	0	0.305	0.59875	0.9562	1.491525	4.622	4.622	1.113	No	23	0	0.00	0.458	**0.0024**

Notes:

* - "Yes" if 2024 sample exceeded 40% of 2023 sample value

bold - P-value <0.05 considered to be statistically significant

[1] - less than 6 samples - Mann Kendall trend test not performed

[2] - greater than 50% non detect - Mann Kendall trend test not performed

[3] - if a value was non-detect a value 1/2 the MDL was used for the purpose of trend analysis and determining summary statistics

[4] - a negative tau value indicates a decreasing trend and a positive tau value indicates an increasing trend. A p-value < 0.05 indicates the trend is statistically significant.

[5] - for Labrador tea, the previous value was from 2023; for live moss, 2022

Appendix D.2

Summary of Basic Statistics 2024 - Moss Bags by Deposition Zone (Acid-Washed Samples)

Veolia

W ½ 06-067-08 W5M

Sample Point	Summary Statistics [3,4]							
	n	Non-Detect Count	% Non-Detect	Minimum	25th Percentile	Median	75th Percentile	Maximum
Ag (mg/kg)								
Zone 1	4	0	0.0	0.0077	0.008375	0.00915	0.0099	0.0105
Zone 2	11	0	0.0	0.007	0.00775	0.0083	0.00985	0.0105
Unexposed	3	0	0.0	0.0062	0.00665	0.0071	0.0076	0.0081
Al (%)								
Zone 1	4	0	0.0	0.0274	0.02815	0.02945	0.0312	0.0333
Zone 2	11	0	0.0	0.0237	0.026	0.028	0.03005	0.0341
Unexposed	3	0	0.0	0.0274	0.02845	0.0295	0.0295	0.0295
As (mg/kg)								
Zone 1	4	0	0.0	0.25	0.2515	0.2605	0.27425	0.29
Zone 2	11	0	0.0	0.232	0.2435	0.247	0.2625	0.28
Unexposed	3	0	0.0	0.27	0.2775	0.285	0.29	0.295
Cd (mg/kg)								
Zone 1	4	0	0.0	0.0206	0.02195	0.0237	0.025025	0.0251
Zone 2	11	0	0.0	0.0134	0.0153	0.0176	0.0225	0.0311
Unexposed	3	0	0.0	0.013	0.0134	0.0138	0.0142	0.0146
Cr (mg/kg)								
Zone 1	4	0	0.0	0.596	0.6335	0.6635	0.714	0.813
Zone 2	11	0	0.0	0.519	0.581	0.621	0.6465	0.676
Unexposed	3	0	0.0	0.688	0.716	0.744	0.7605	0.777
Cu (mg/kg)								
Zone 1	4	0	0.0	1.63	1.7275	1.815	1.9875	2.34
Zone 2	11	0	0.0	1.4	1.475	1.64	1.705	1.9
Unexposed	3	0	0.0	1.38	1.415	1.45	1.455	1.46
Hg (mg/kg)								
Zone 1	4	0	0.0	0.0452	0.04805	0.04935	0.0504	0.0525
Zone 2	11	0	0.0	0.0379	0.0466	0.0495	0.05275	0.063
Unexposed	3	0	0.0	0.035	0.0352	0.0354	0.0363	0.0372
Mo (mg/kg)								
Zone 1	4	0	0.0	0.404	0.41225	0.4235	0.44175	0.471
Zone 2	11	0	0.0	0.358	0.401	0.422	0.457	0.556
Unexposed	3	0	0.0	0.376	0.3915	0.407	0.415	0.423
Ni (mg/kg)								
Zone 1	4	0	0.0	0.48	0.4875	0.525	0.57	0.6
Zone 2	11	0	0.0	0.4	0.43	0.48	0.515	0.61
Unexposed	3	0	0.0	0.43	0.445	0.46	0.46	0.46
Pb (mg/kg)								
Zone 1	4	0	0.0	0.653	0.791	0.847	0.86475	0.888
Zone 2	11	0	0.0	0.515	0.5505	0.633	0.683	0.757
Unexposed	3	0	0.0	0.549	0.554	0.559	0.568	0.577
Sb (mg/kg)								
Zone 1	4	0	0.0	0.056	0.056	0.06	0.06575	0.071
Zone 2	11	0	0.0	0.046	0.051	0.055	0.0565	0.062
Unexposed	3	0	0.0	0.045	0.046	0.047	0.05	0.053
Sn (mg/kg)								
Zone 1	4	0	0.0	0.17	0.23	0.265	0.3825	0.69
Zone 2	11	2	18.2	0.05	0.16	0.22	0.62	0.98
Unexposed	3	0	0.0	0.23	0.245	0.26	0.325	0.39
Zn (mg/kg)								
Zone 1	4	0	0.0	4.68	5.535	5.94	6.7975	9.01
Zone 2	11	0	0.0	3.67	4.115	6.27	6.675	7.16
Unexposed	3	0	0.0	3.87	3.94	4.01	4.13	4.25

Notes:

[1] - if a value was non-detect a value 1/2 the MDL was used for the purpose of trend analysis and determining summary stat

[2] - Max/min values are representative of the values reported at any plot within the zone.

Appendix D.3

Comparison of Deposition Zones 1 and 2 (2009 - 2024) to Unexposed Moss in Moss Bags

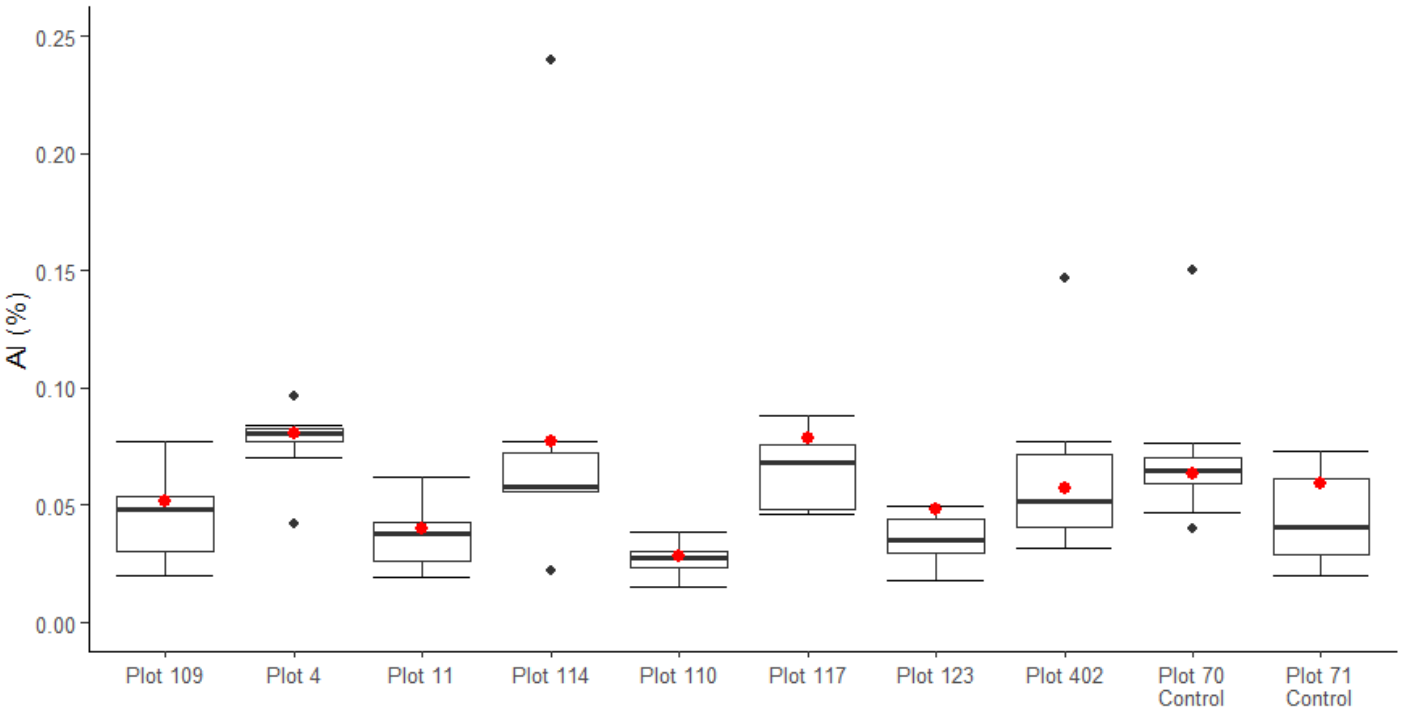
Veolia

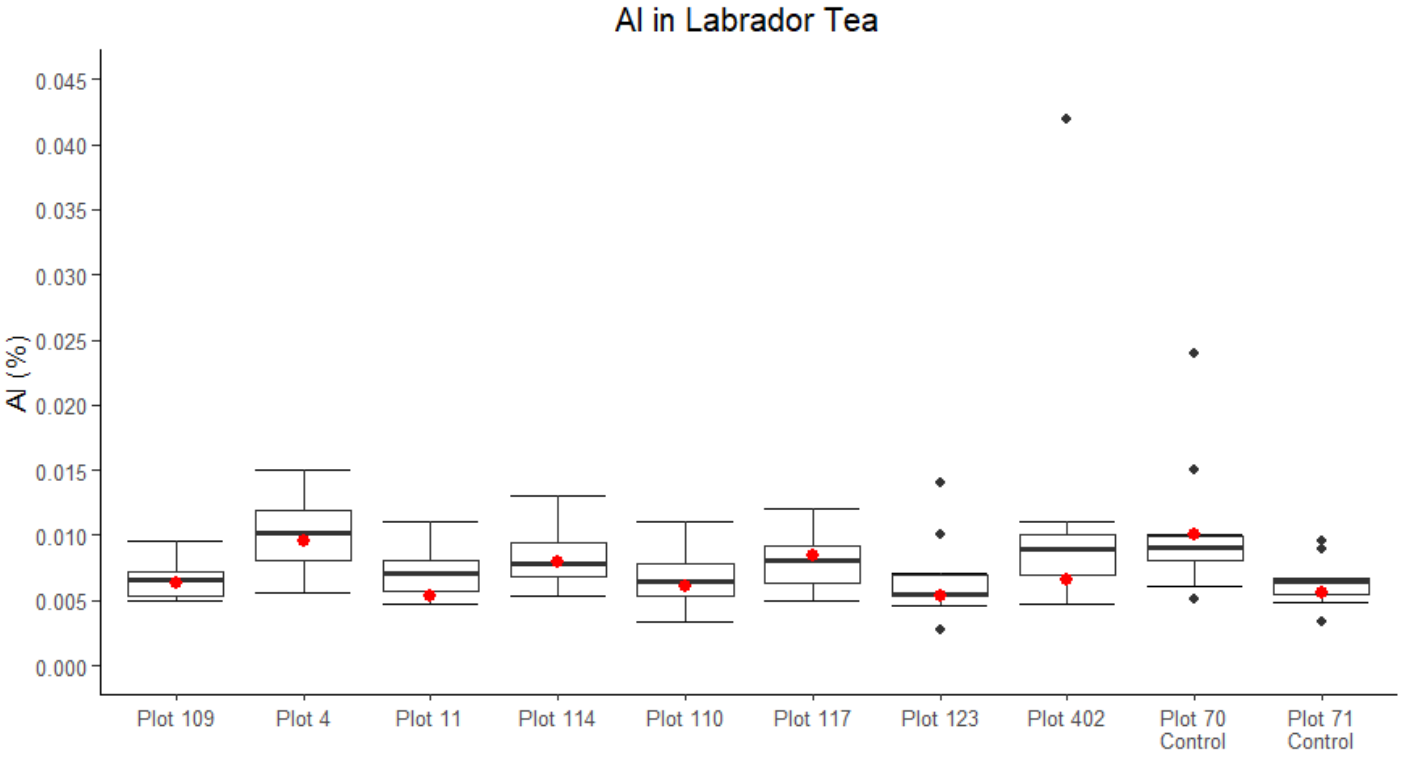
W ½ 06-067-08 W5M

Parameter	Average Concentrations																																
	2009			2011			2013			2014			2016			2018			2019			2021			2022			2023			2024		
	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexp	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 1	Zone 2	Unexposed	Zone 3	Zone 4
	n=3	n=4	n=10	n=3	n=3	n=11	n=3	n=4	n=9	n=3	n=4	n=11	n=3	n=4	n=8	n=3	n=4	n=10	n=3	n=3	n=12	n=3	n=4	n=11	n=3	n=4	n=11	n=3	n=4	n=11	n=3	n=4	n=11
Ag (mg/kg)	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.150	0.100	0.100	0.100	0.100	0.100	0.182	0.006	0.009	0.008	0.023	0.018	0.017	0.007	0.010	0.008	0.006	0.010	0.010	0.007	0.009	0.009
Al (%)	0.203	0.269	0.263	0.233	0.226	0.234	0.254	0.221	0.221	0.144	**0.386**	**0.163**	0.053	0.065	0.070	0.052	0.057	0.060	0.020	0.022	0.021	0.096	0.101	0.089	0.026	0.028	0.031	0.025	0.031	0.031	0.029	0.030	0.028
As (mg/kg)	0.296	0.369	0.369	0.359	0.312	0.329	0.251	0.250	0.209	0.238	**0.539**	**0.279**	0.277	0.285	0.304	0.283	0.498	0.341	0.215	**0.273**	**0.194**	0.640	0.628	0.600	0.264	0.317	0.285	0.258	0.284	0.271	0.283	0.265	0.252
Cd (mg/kg)	0.150	0.170	0.115	0.127	**0.227**	**0.111**	0.133	0.243	0.189	0.090	**0.170**	**0.109**	0.123	**0.170**	**0.139**	0.140	0.218	0.183	0.003	**0.018**	**0.010**	0.008	0.012	0.009	0.014	0.024	0.025	0.017	0.033	0.027	0.014	0.023	0.020
Cr (mg/kg)	2.533	3.250	3.490	4.300	4.567	4.991	6.267	2.850	3.111	2.833	8.275	4.618	1.100	0.875	1.050	1.667	4.075	3.870	0.526	0.512	0.478	1.917	2.168	1.996	0.725	0.735	0.738	0.639	0.694	0.733	0.736	0.684	0.612
Cu (mg/kg)	3.900	5.200	4.540	5.333	**5.433**	**3.327**	5.333	5.850	4.656	2.633	3.950	3.073	4.600	3.850	6.113	5.133	5.650	5.860	0.707	**1.073**	**0.731**	5.023	2.138	1.867	1.517	1.938	1.763	1.493	1.920	1.786	1.430	1.900	1.614
Hg (mg/kg)	0.063	0.088	0.059	0.063	0.067	0.050	0.070	0.075	0.062	0.400	0.380	0.377	0.037	0.074	0.066	0.079	0.145	0.128	0.029	**0.043**	**0.036**	0.068	0.075	0.067	0.039	0.068	0.051	0.036	0.055	0.049	0.036	0.049	0.049
Mo (mg/kg)	0.080	0.240	0.254	0.090	0.160	0.216	0.190	0.220	0.181	0.117	0.323	0.167	0.167	0.263	0.231	0.267	0.483	0.395	0.330	0.342	0.328	0.972	0.755	0.699	0.421	0.474	0.457	0.381	0.417	0.457	0.402	0.431	0.432
Ni (mg/kg)	1.000	2.350	2.060	11.567	6.800	6.864	3.767	2.075	2.000	1.000	4.525	2.655	1.233	1.550	1.688	1.800	3.225	3.190	0.397	0.430	0.393	0.697	0.748	0.721	0.433	0.568	0.615	0.440	0.553	0.539	0.450	0.533	0.480
Pb (mg/kg)	4.467	8.475	7.720	5.167	6.867	7.664	4.300	**5.575**	**4.144**	3.600	**8.050**	**4.309**	3.967	5.125	4.788	4.333	5.925	5.030	3.107	**2.917**	**2.500**	3.320	2.940	2.431	0.554	0.979	0.745	0.549	0.841	0.633	0.562	0.809	0.624
Sb (mg/kg)	0.050	7.400	9.190	0.133	16.600	8.218	2.433	18.200	20.844	0.333	18.100	10.873	0.197	11.450	10.663	0.130	**10.125**	**16.600**	0.031	0.055	0.047	0.071	0.055	0.052	0.049	0.074	0.064	0.043	0.069	0.056	0.048	0.062	0.054
Sn (mg/kg)	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	3.243	3.023	2.986	1.943	0.105	0.069	0.410	0.578	1.155	0.640	0.260	0.321	0.293	0.348	0.391
Zn (mg/kg)	18.700	38.675	46.340	21.067	40.433	34.109	33.800	37.125	37.289	22.033	32.900	31.118	19.000	31.500	26.375	27.000	32.250	37.400	2.337	**6.257**	**3.317**	2.637	4.005	3.412	5.377	7.270	6.409	4.900	8.528	7.196	4.043	6.393	5.588

	Zone significantly different from Unexposed (p<0.05)
bold	Significant difference between Zone 1 and Zone 2 (p<0.05)
red	Non-detect values present - 1/2 of MDL was used to calculate average concentrations

APPENDIX E
Box Plots and Trend Graphs - Annual Monitoring Plots





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Aluminum

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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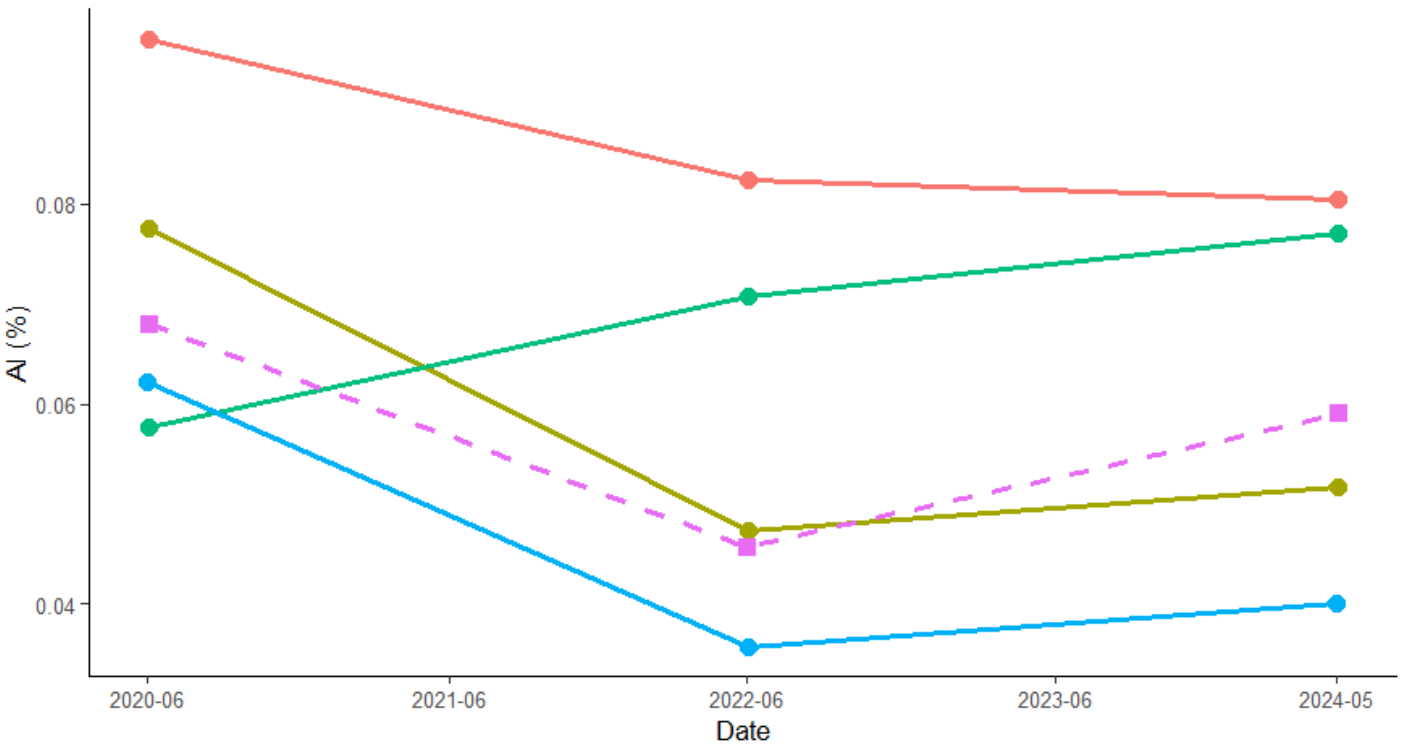
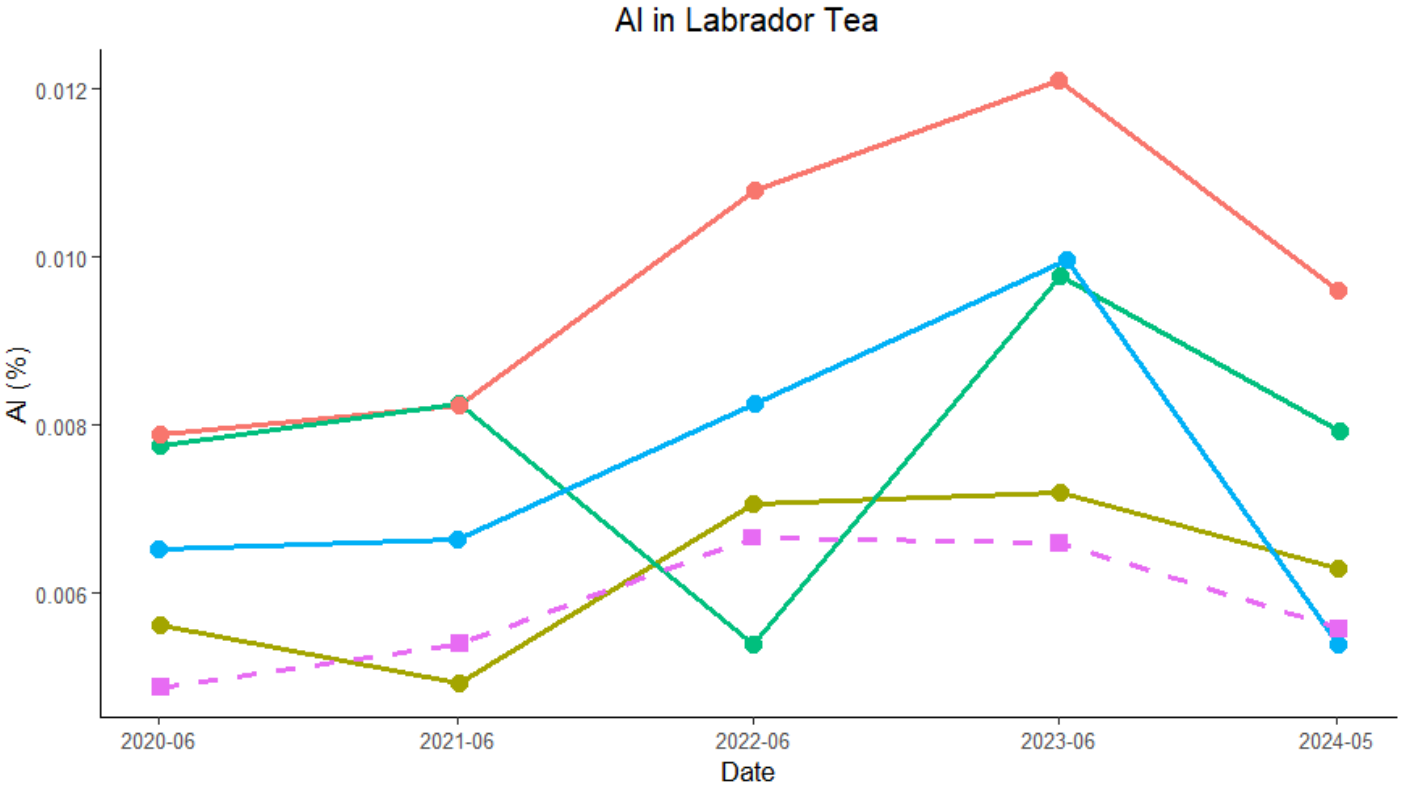
Figure **E.1**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Aluminum

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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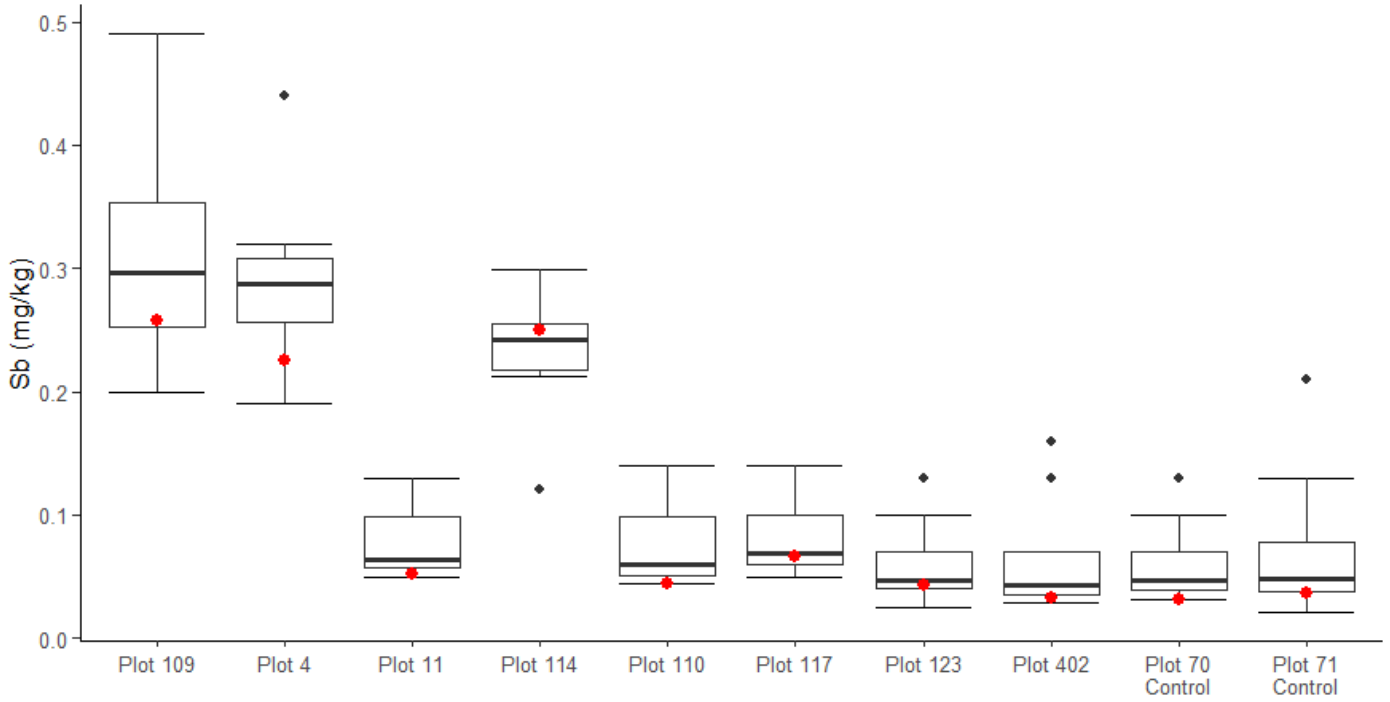
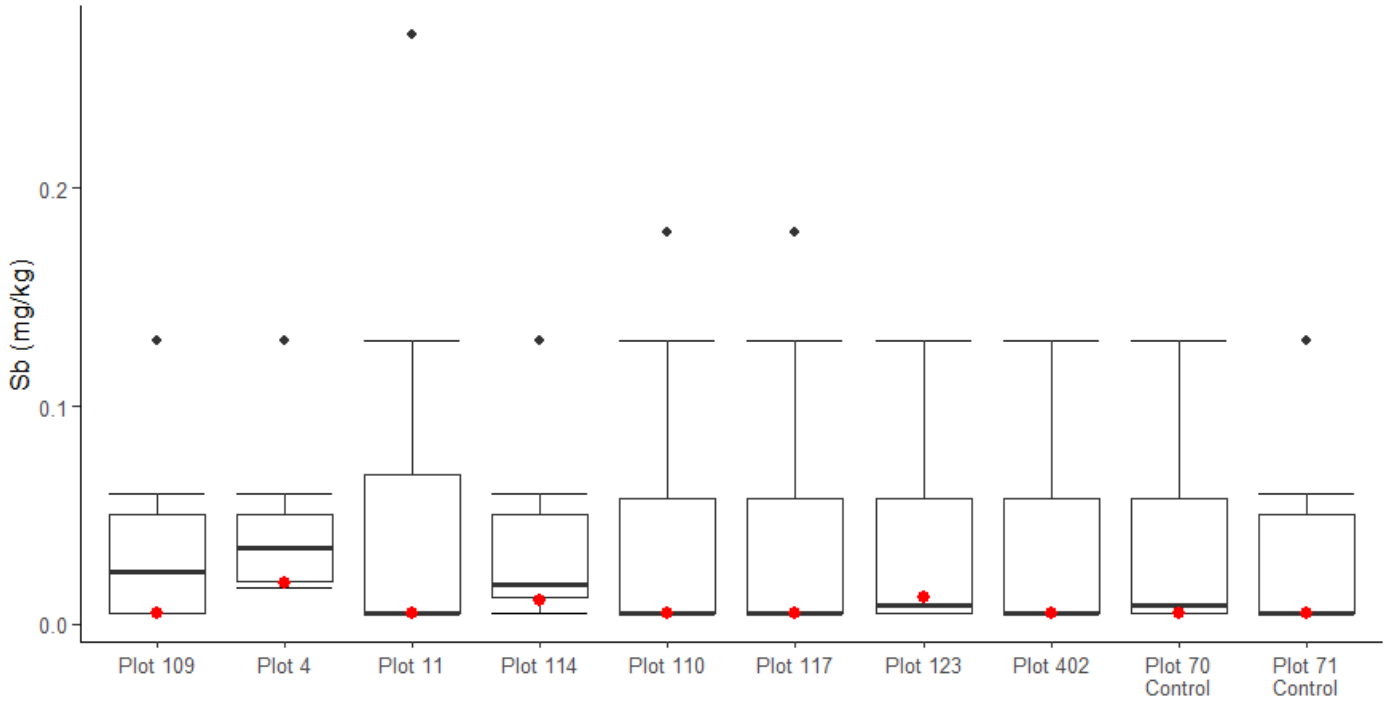
Figure E.2

Sb in Moss



Sb in Labrador Tea



- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Antimony

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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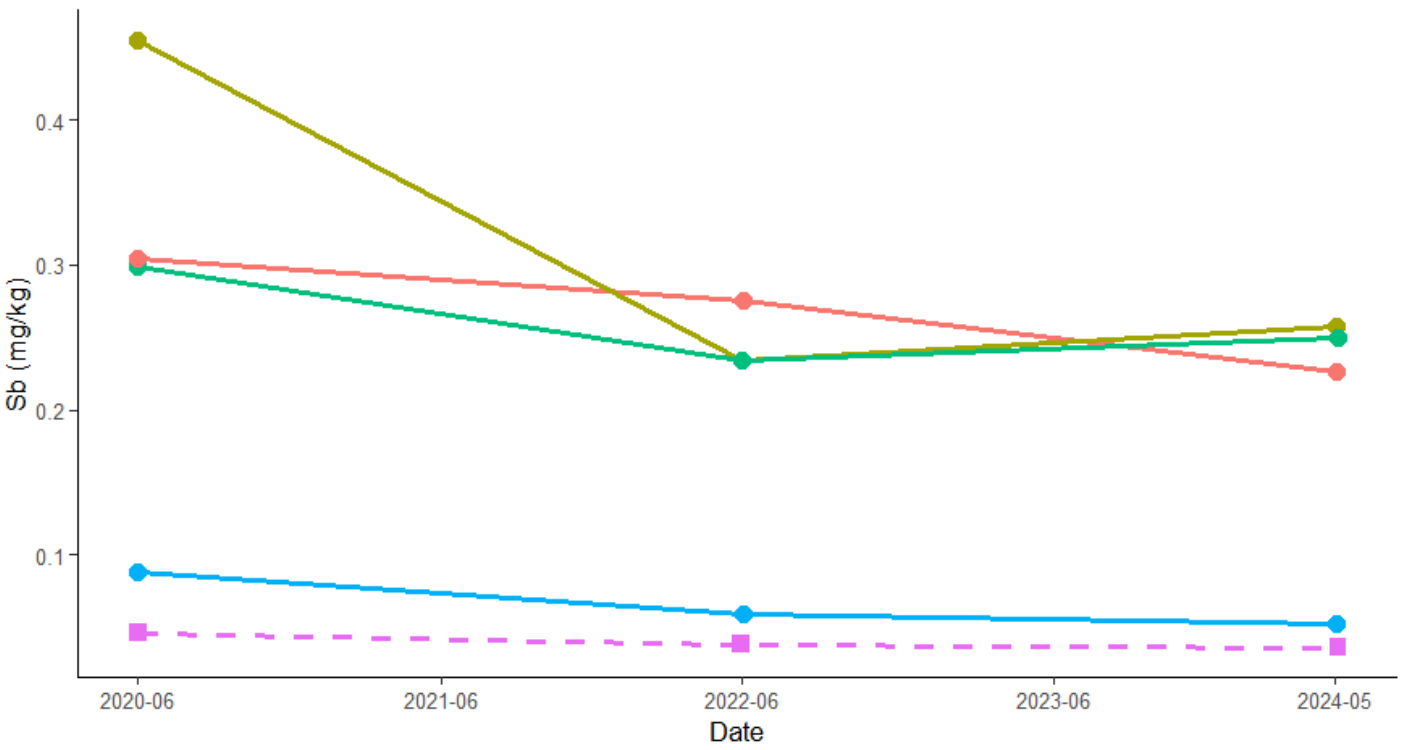
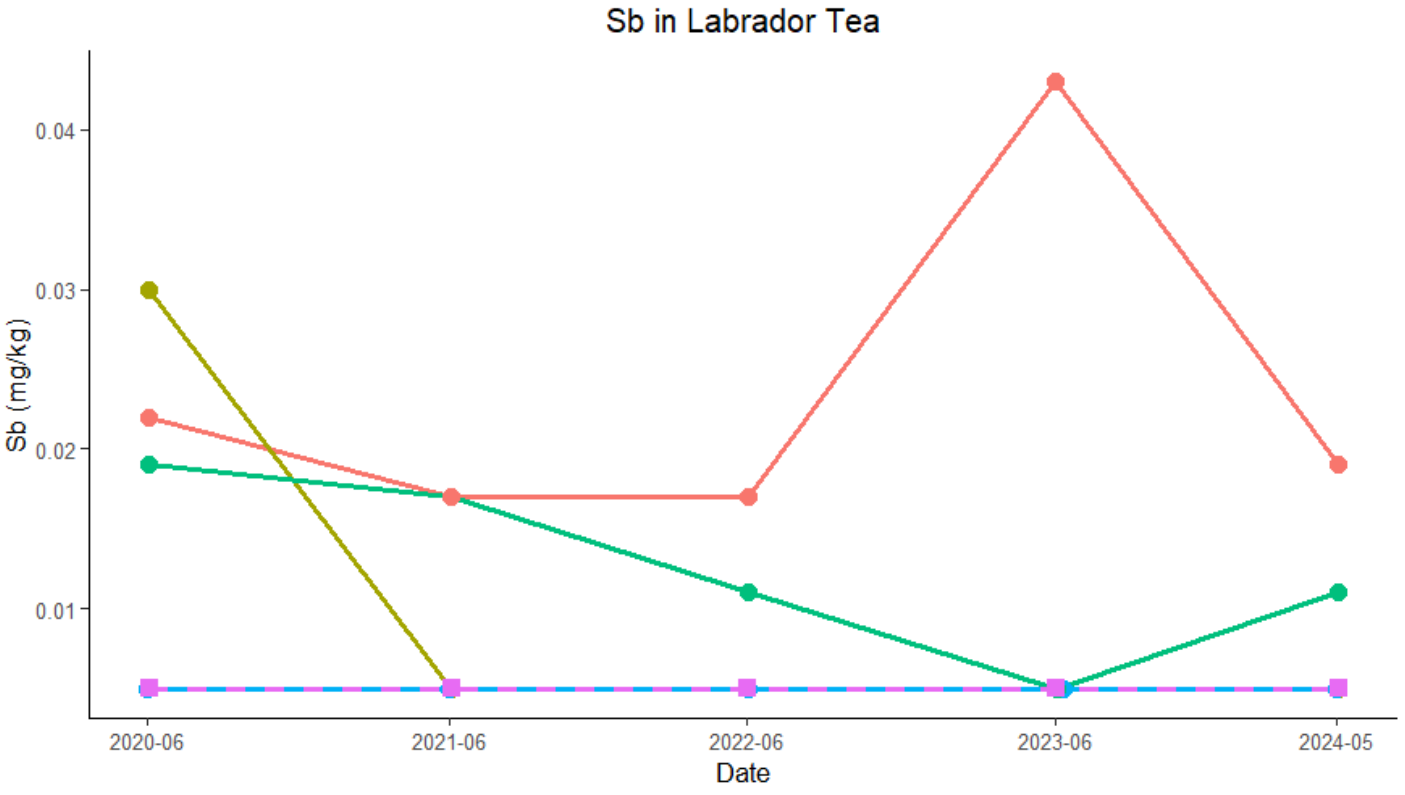
Figure **E.3**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Antimony

Date:	Project:	Technical:	Reviewer:	Drawn:
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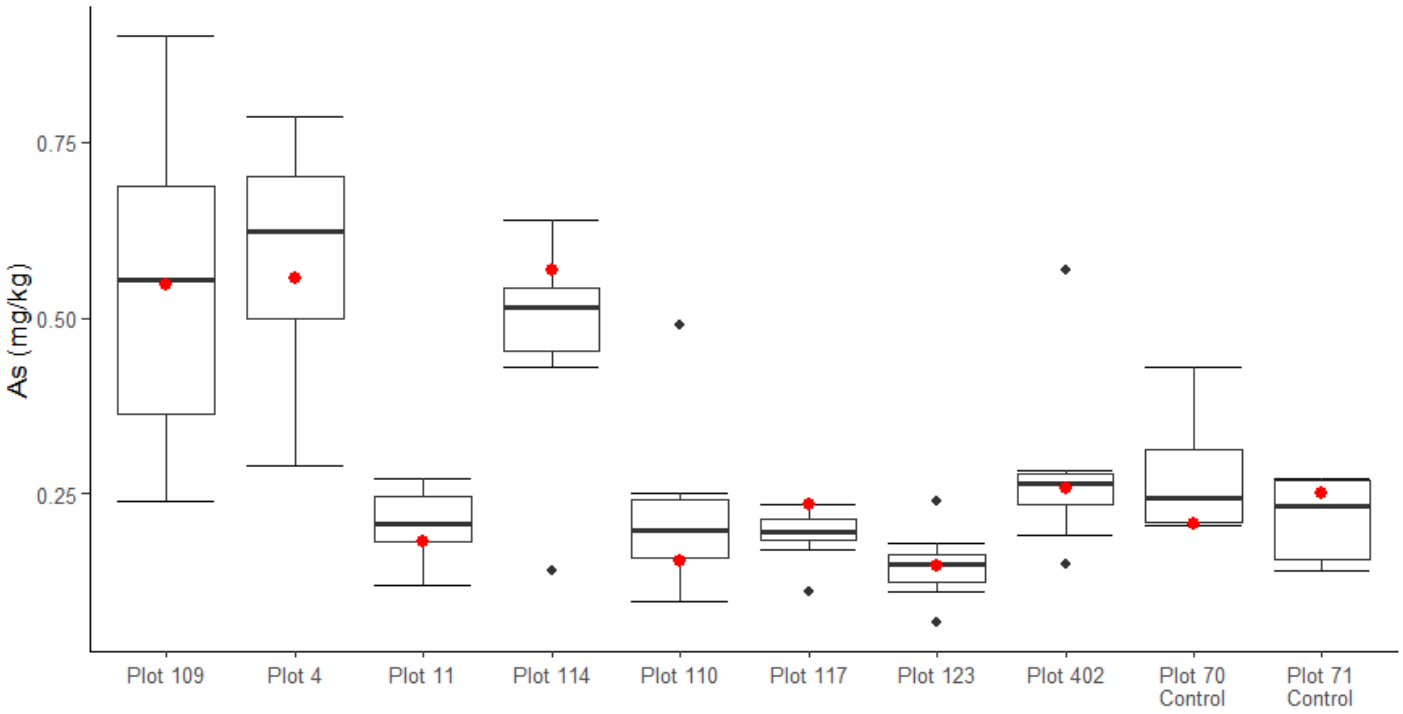
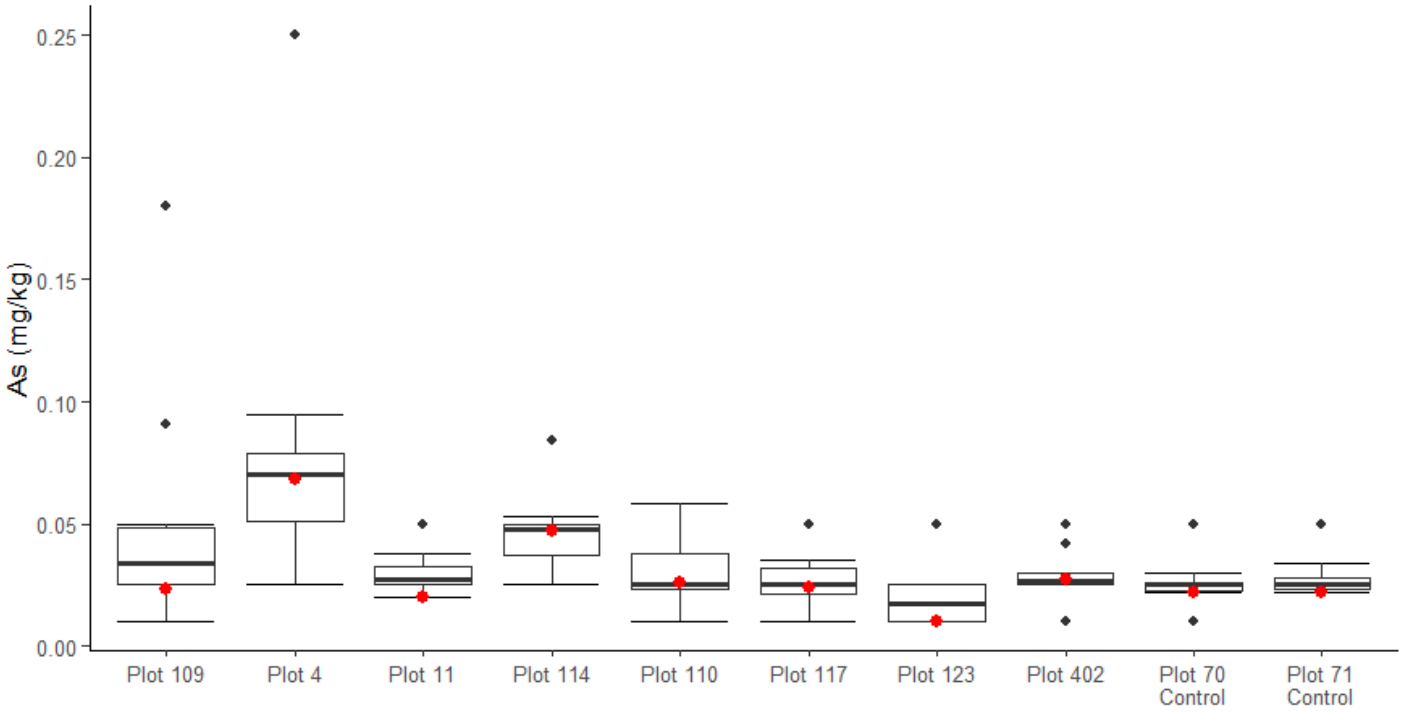
Figure E.4

As in Moss



As in Labrador Tea



Median

Interquartile Range (IQR) (25th to 75th percentile)

1.5×IQR boundary or most extreme data value

Outlier (Data point greater than 1.5×IQR)

2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Arsenic

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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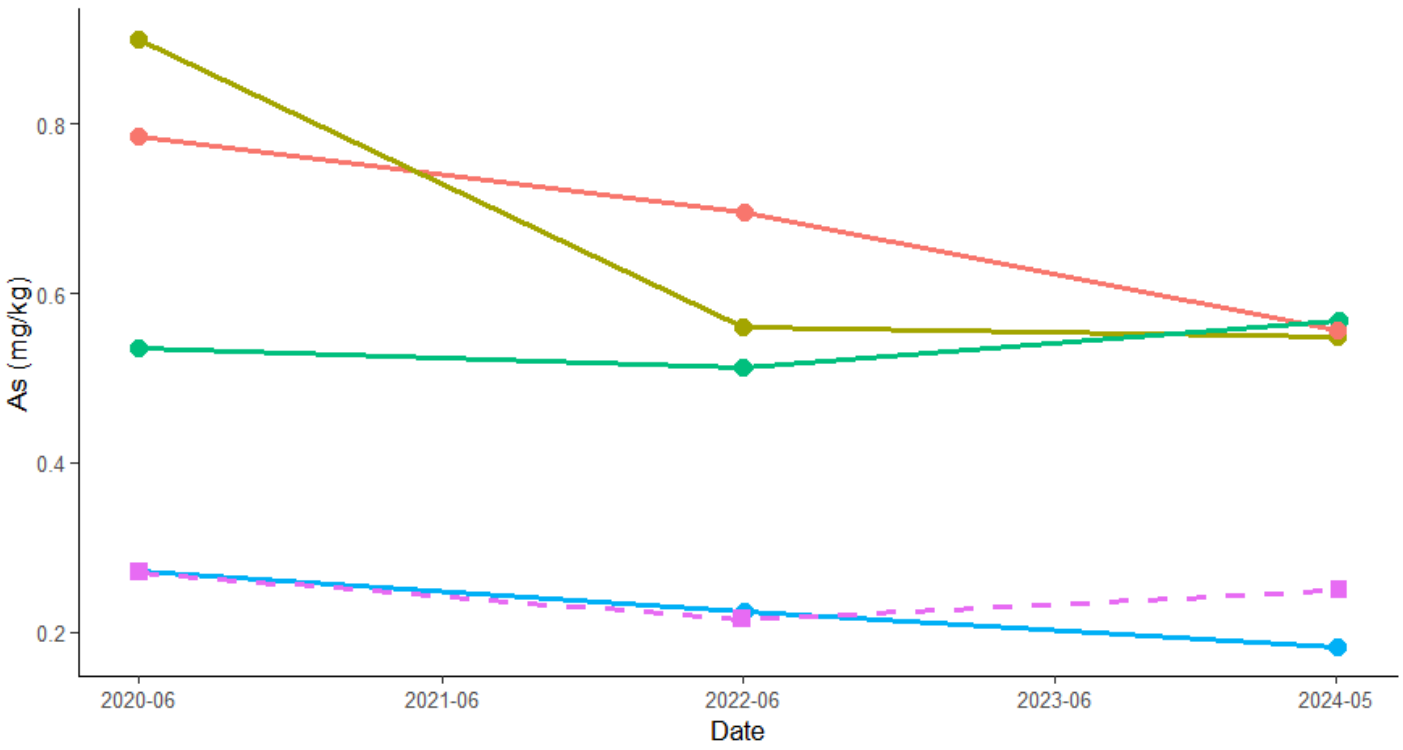
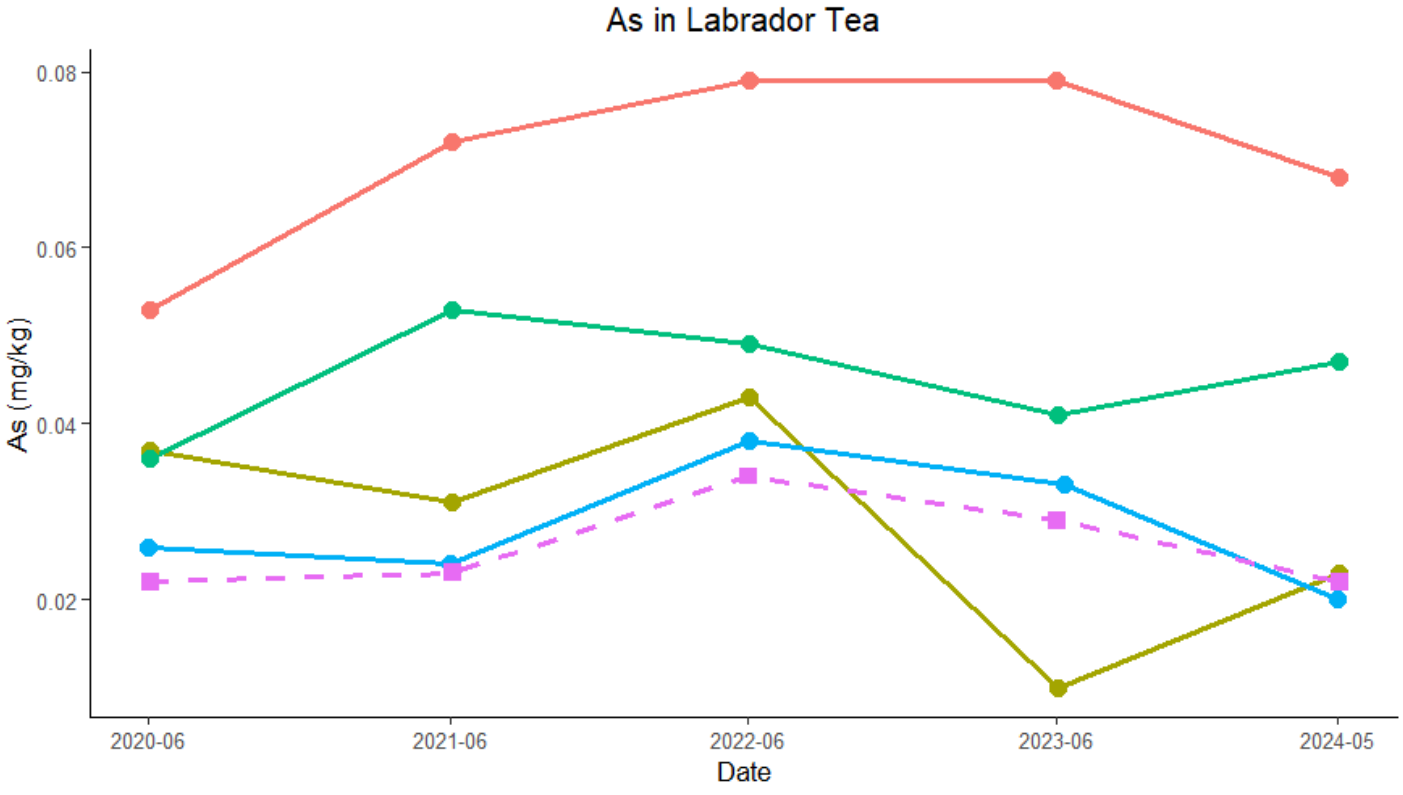
Figure **E.5**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Arsenic

Date:	Project:	Technical:	Reviewer:	Drawn:
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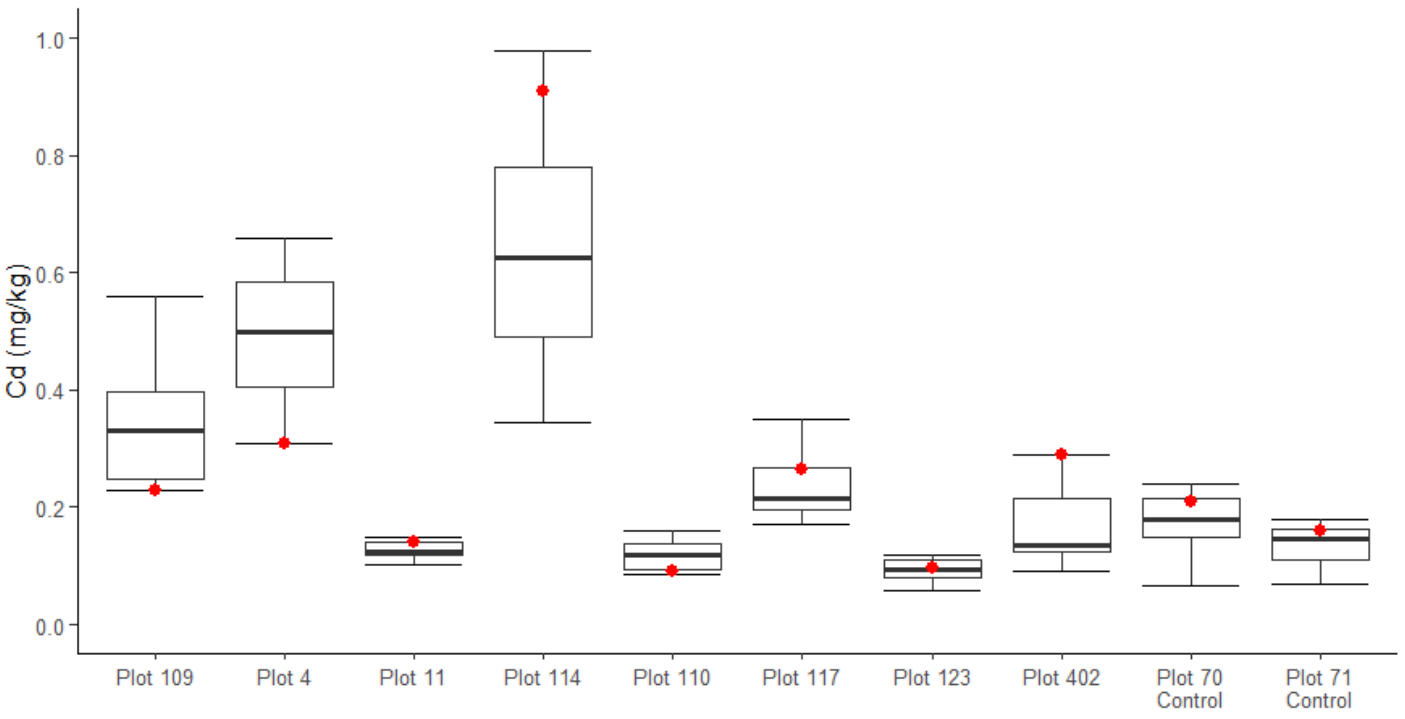
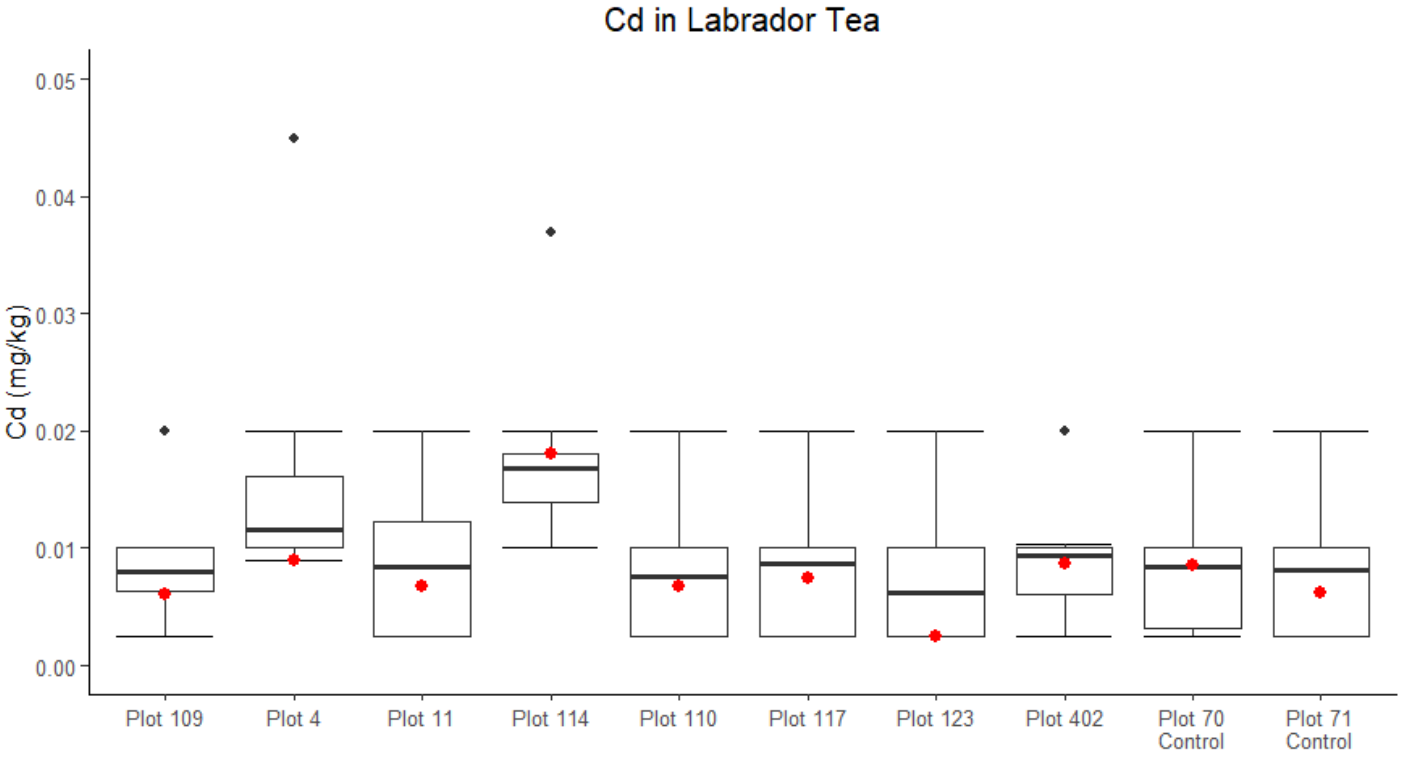
Figure **E.6**





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Cadmium

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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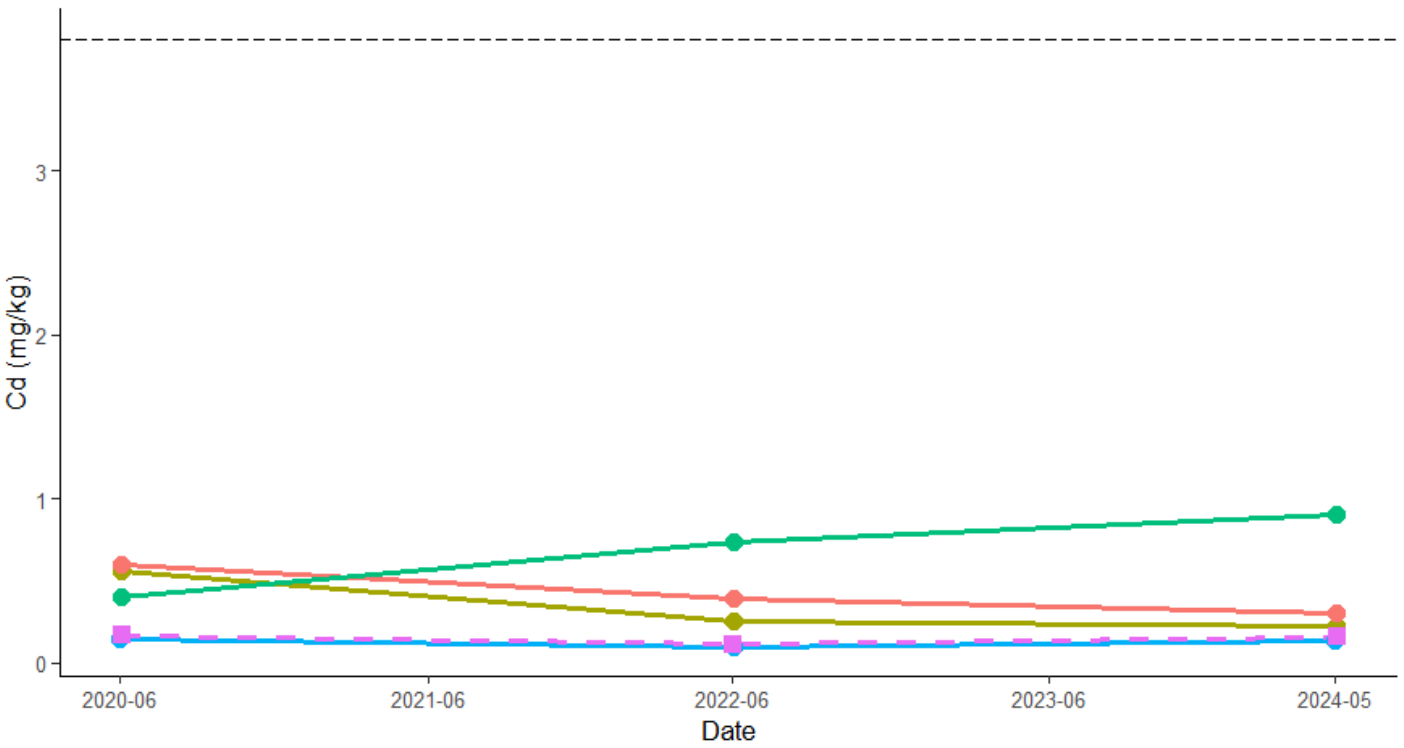
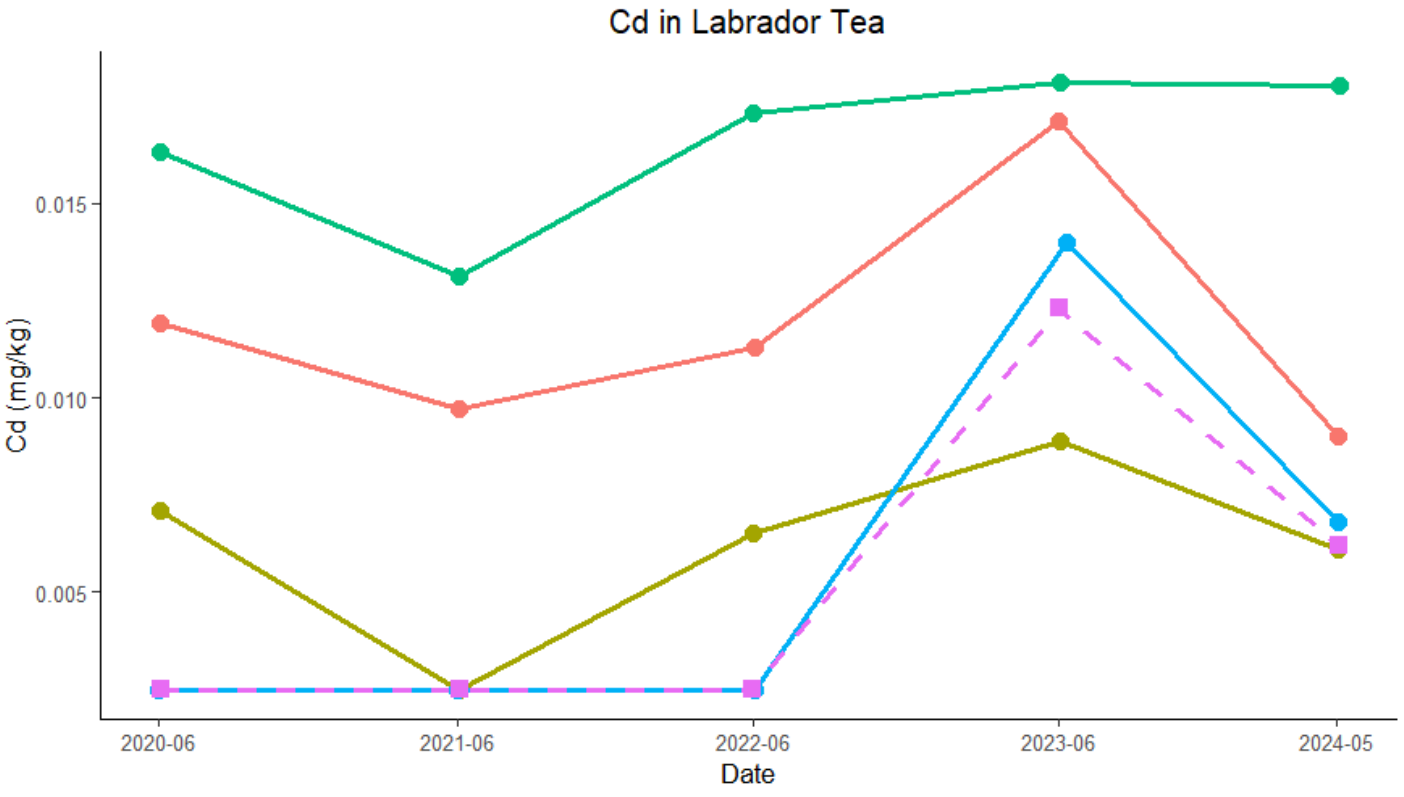
Figure E.7





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 - Natural Area (3.8 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Cadmium

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Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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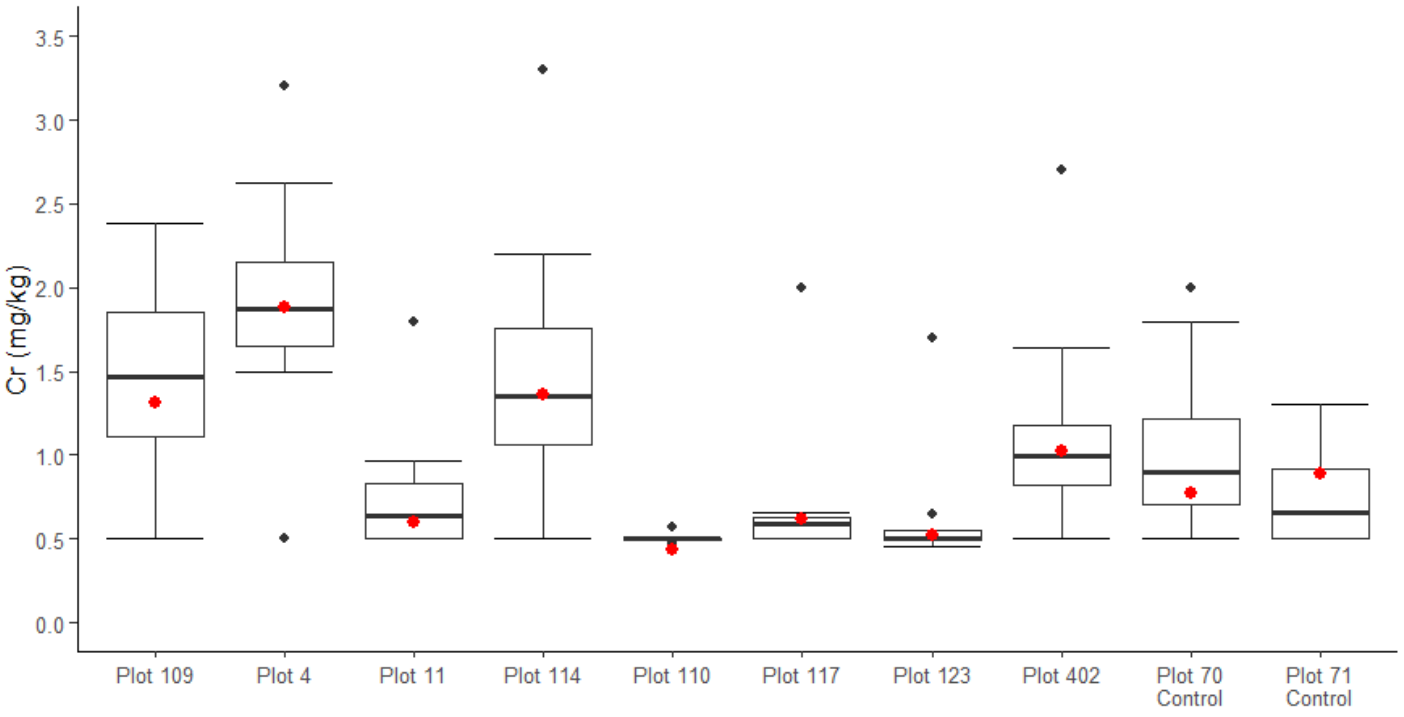
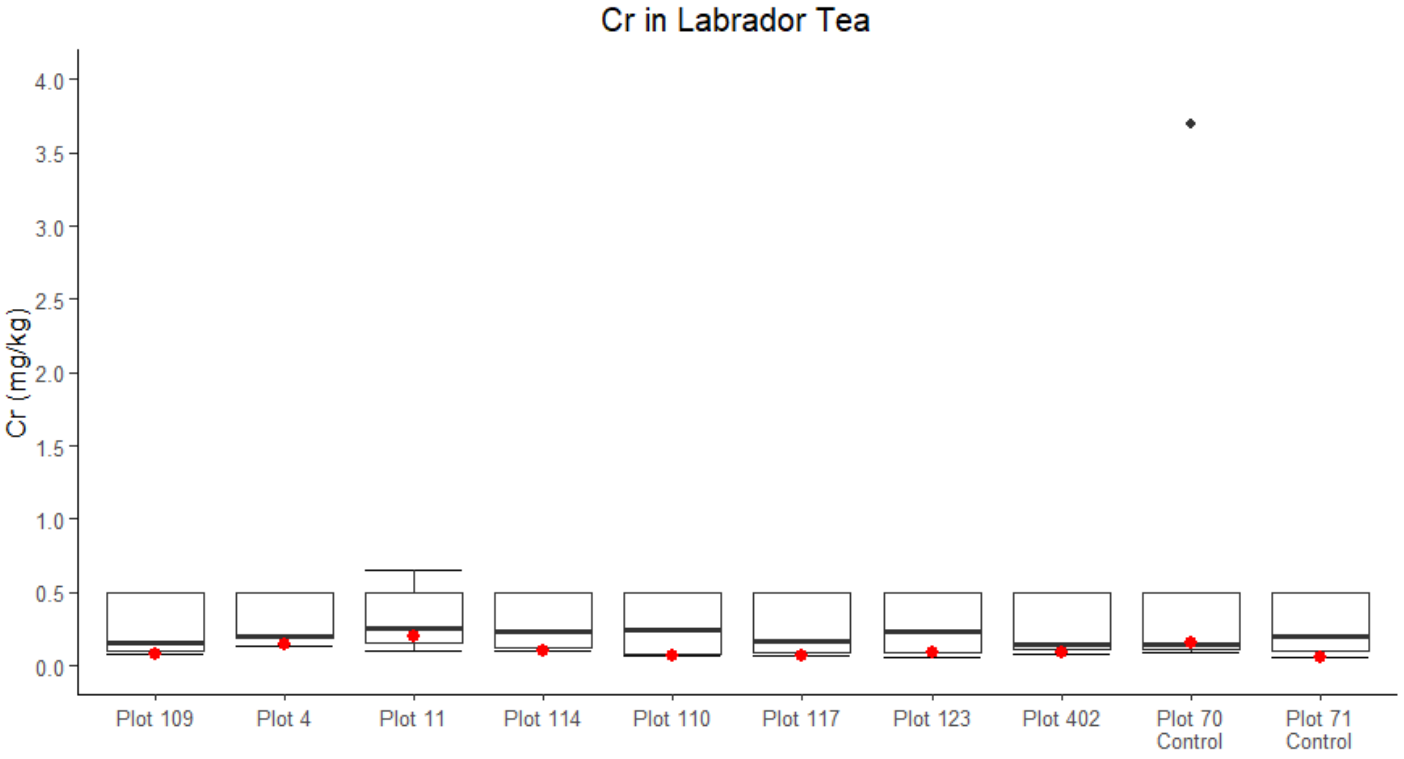
Figure **E.8**





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Chromium

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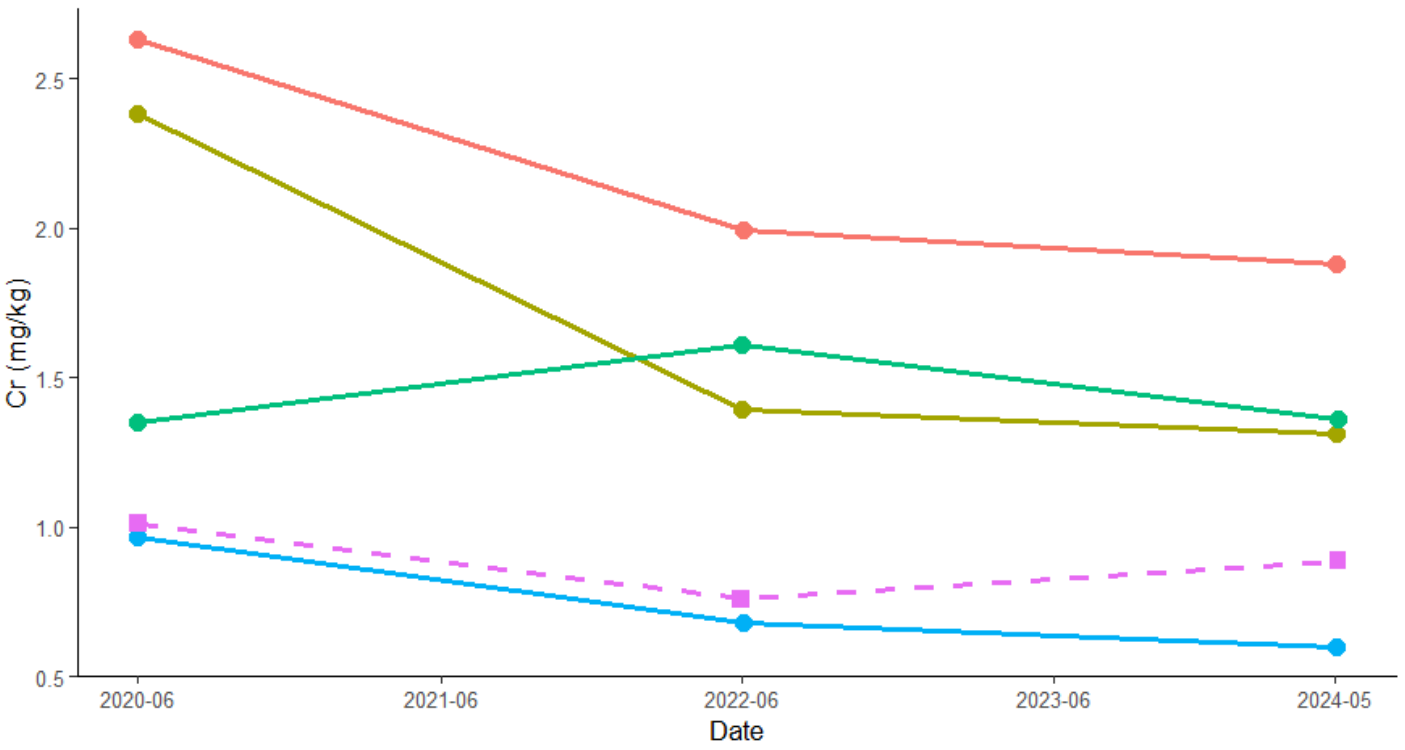
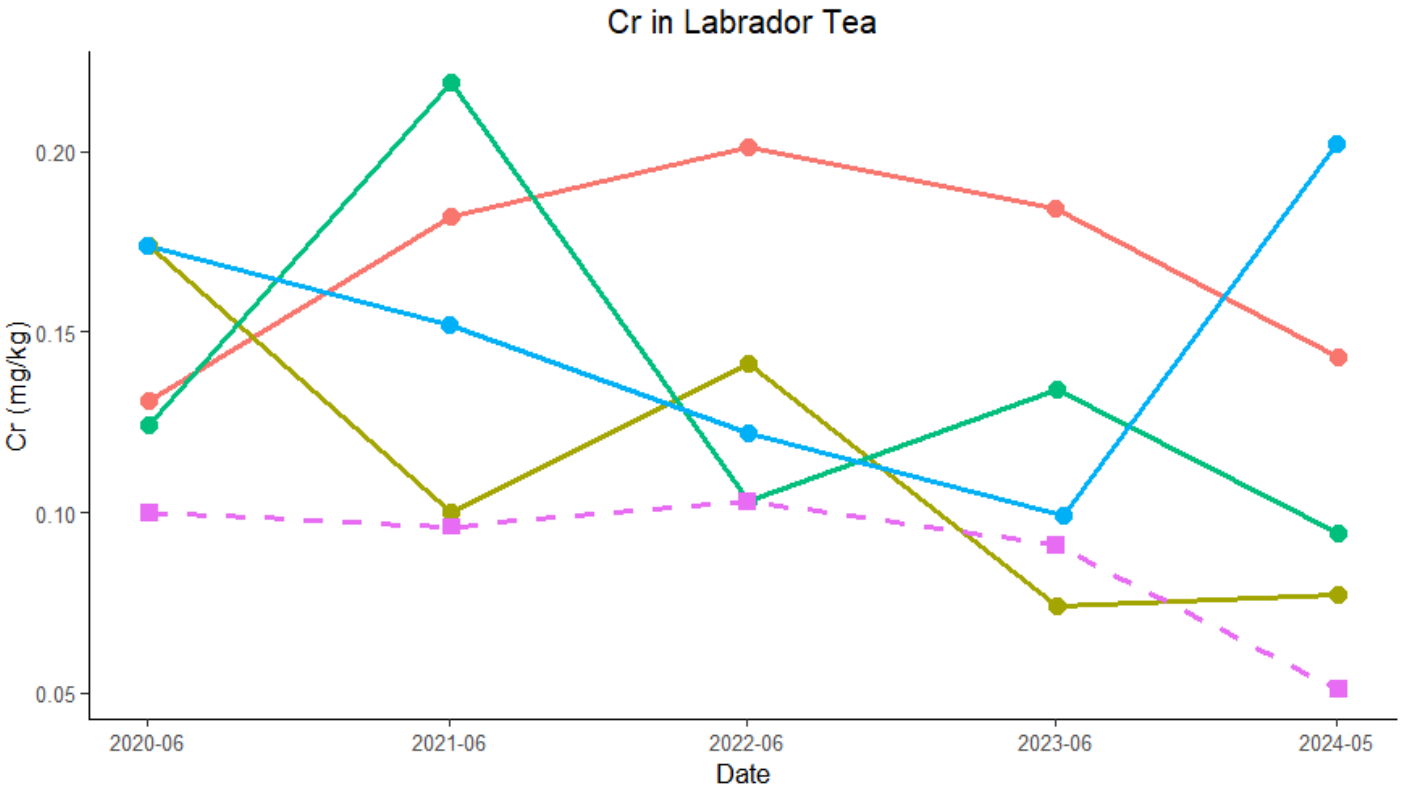
Figure E.9





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 - Natural Area (3.8 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Chromium

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Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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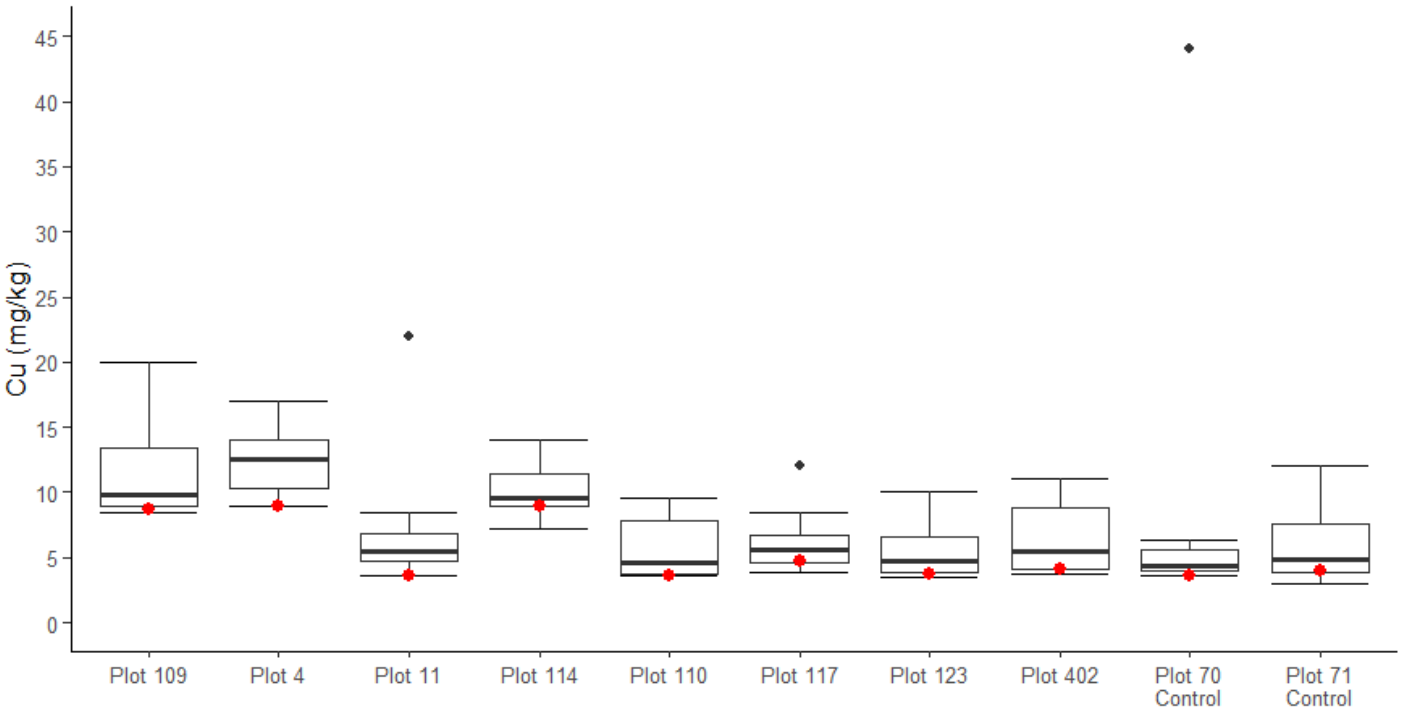
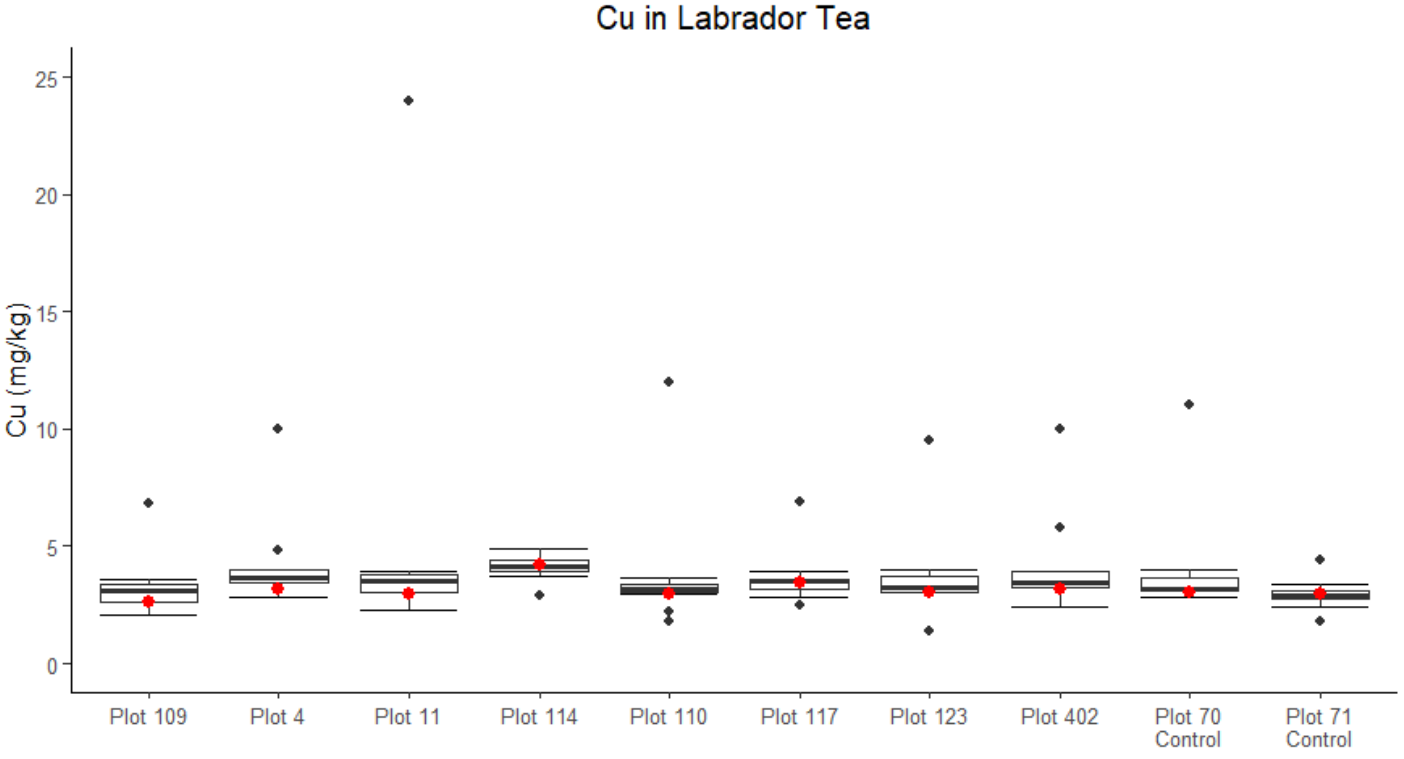
Figure E.10





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Copper

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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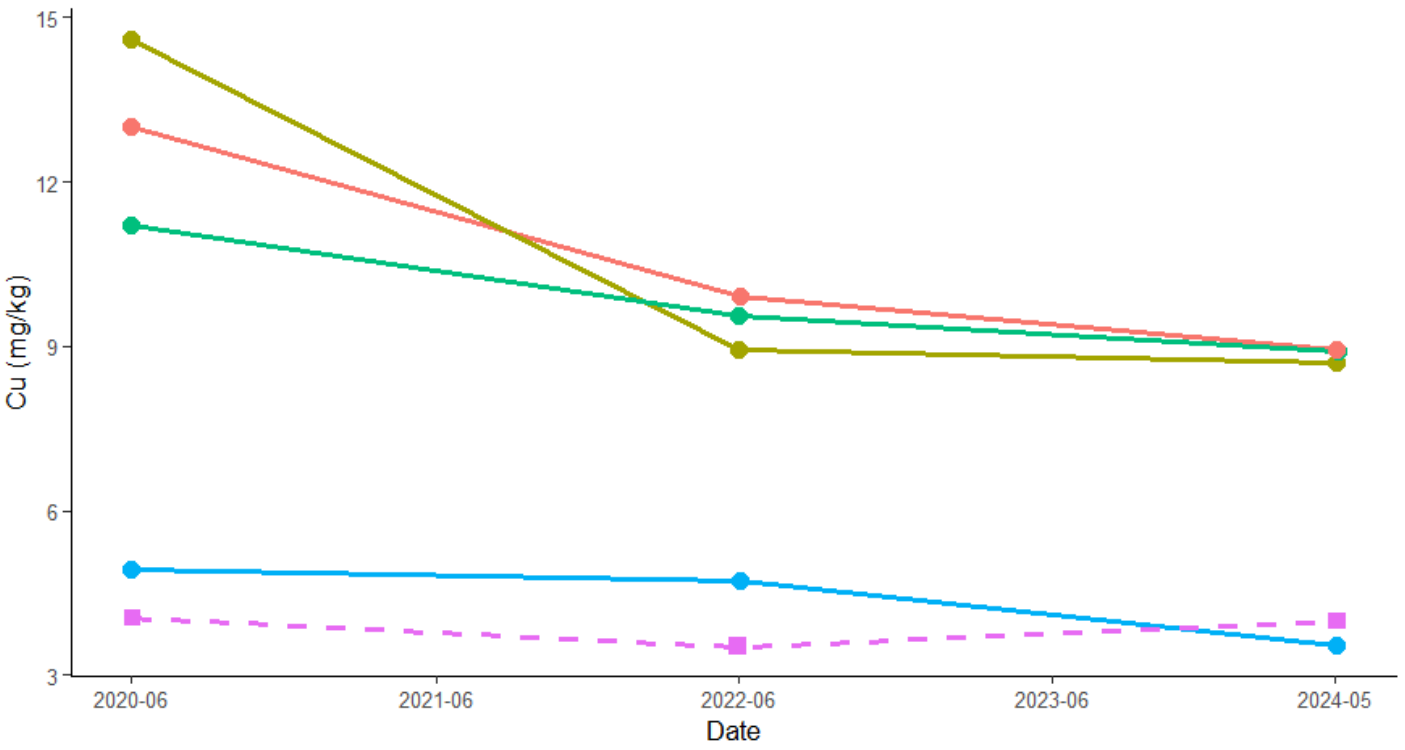
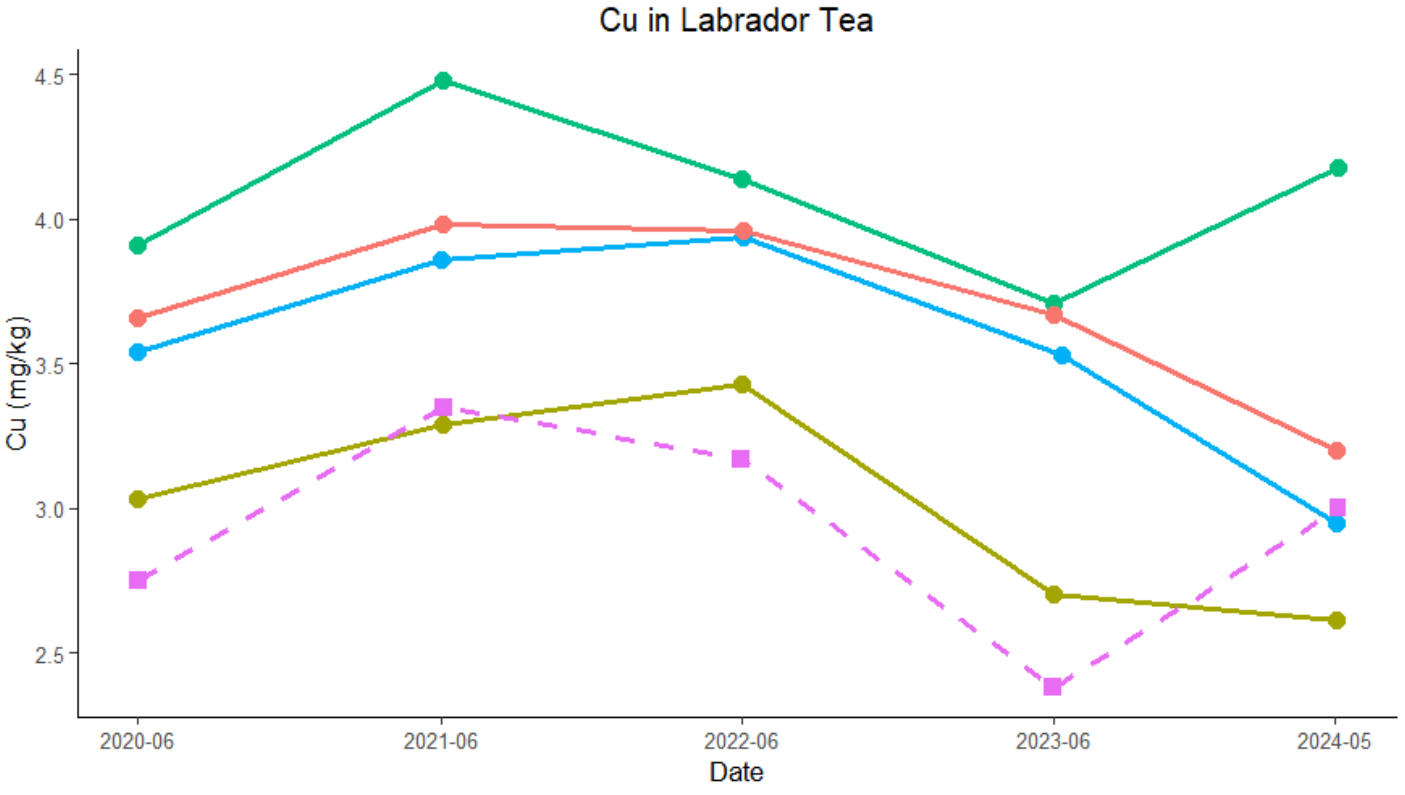
Figure E.11





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 - Natural Area (63 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Copper

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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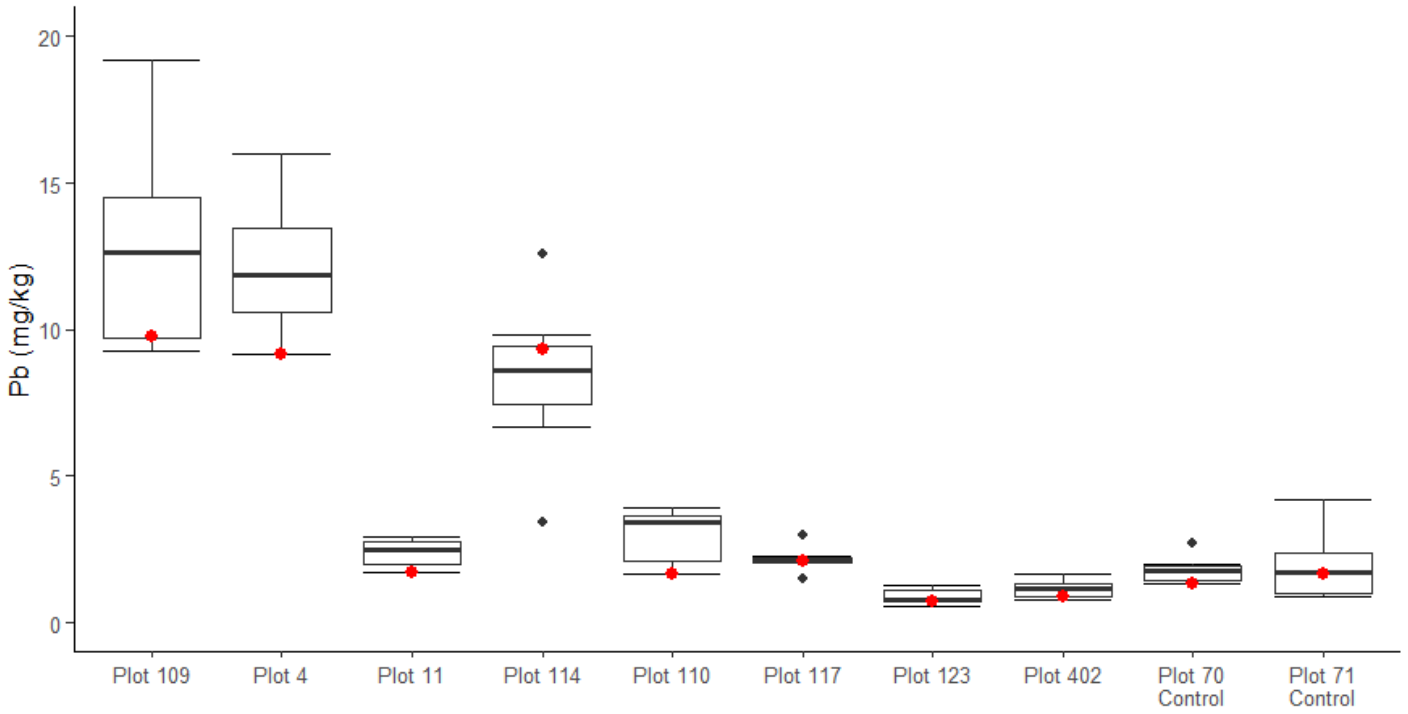
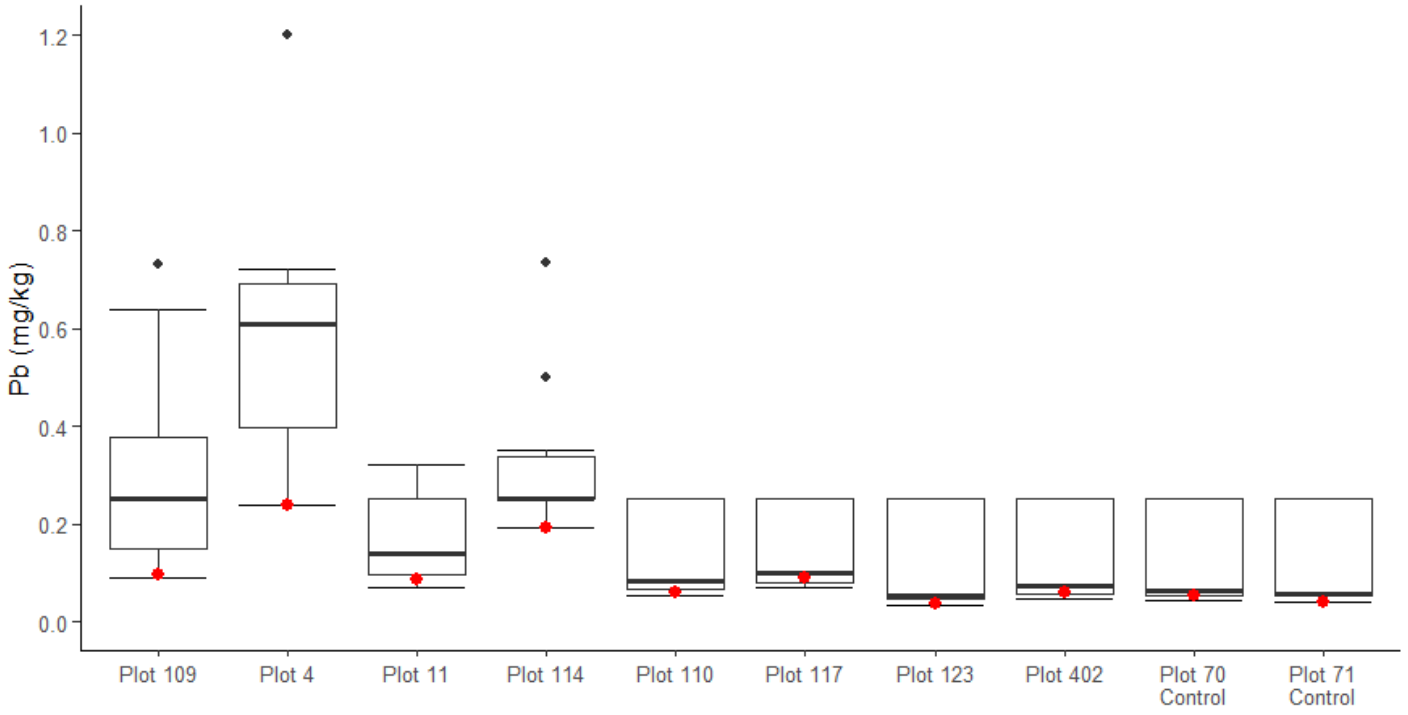
Figure E.12

Pb in Moss



Pb in Labrador Tea



- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Lead

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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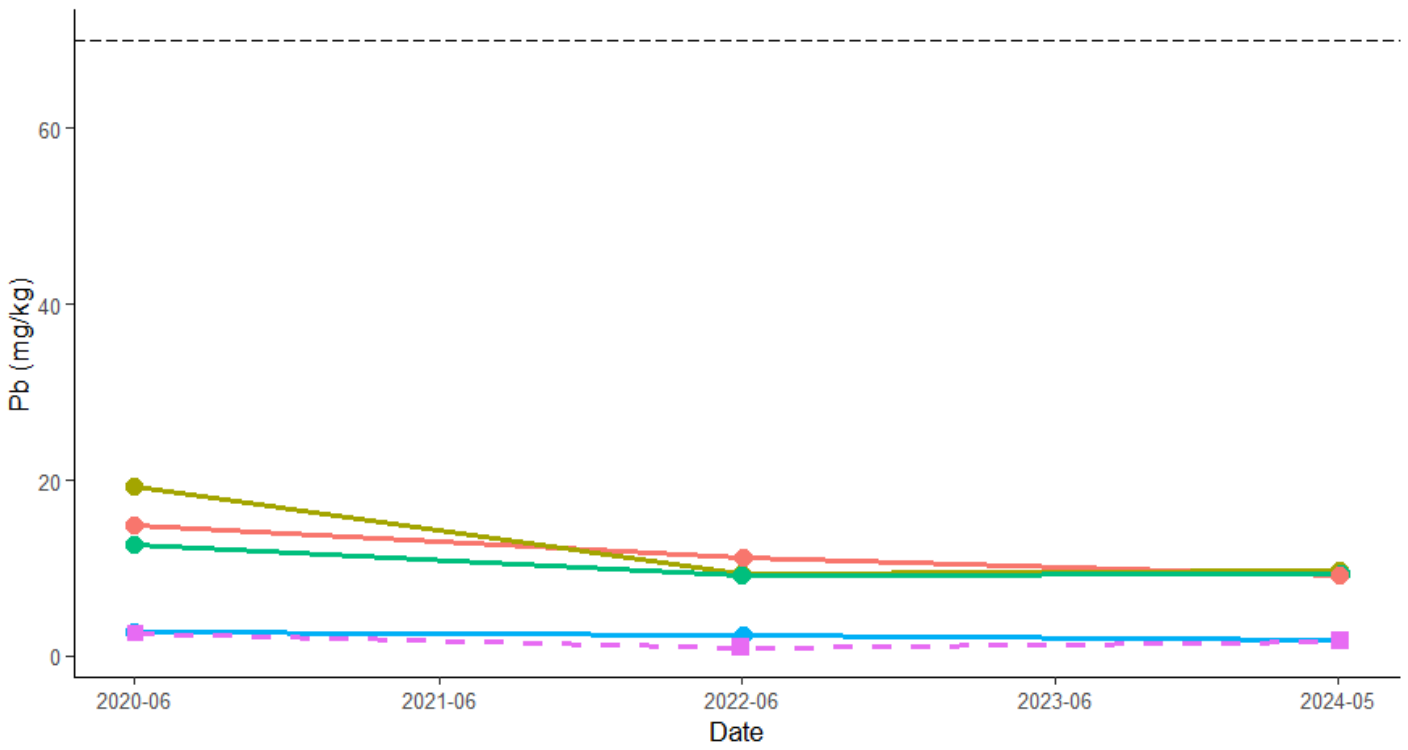
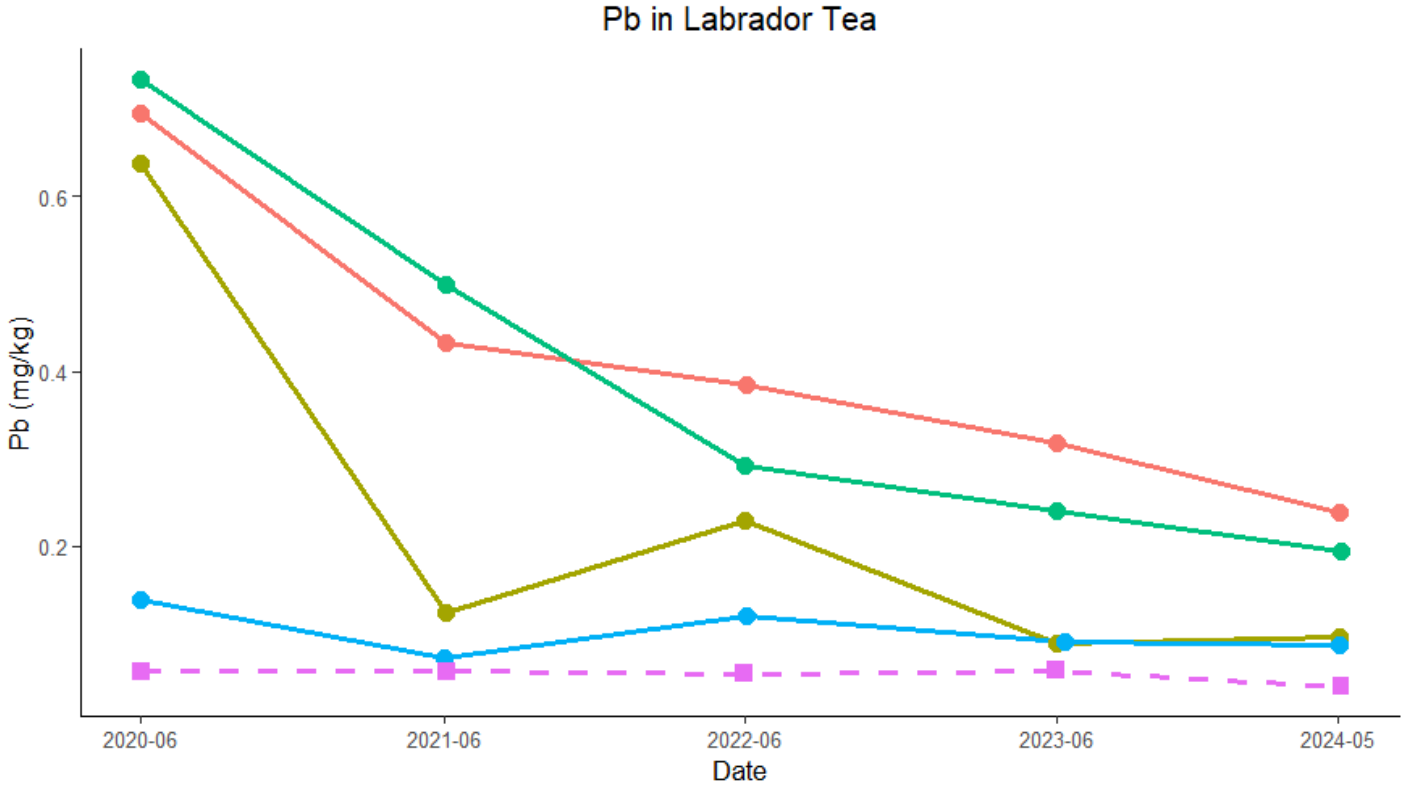
Figure **E.13**





- Plot 4
- Plot 109
- Plot 114
- Plot 11
- Plot 71 - Control
- Alberta Tier 1 - Natural Area (70 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Lead

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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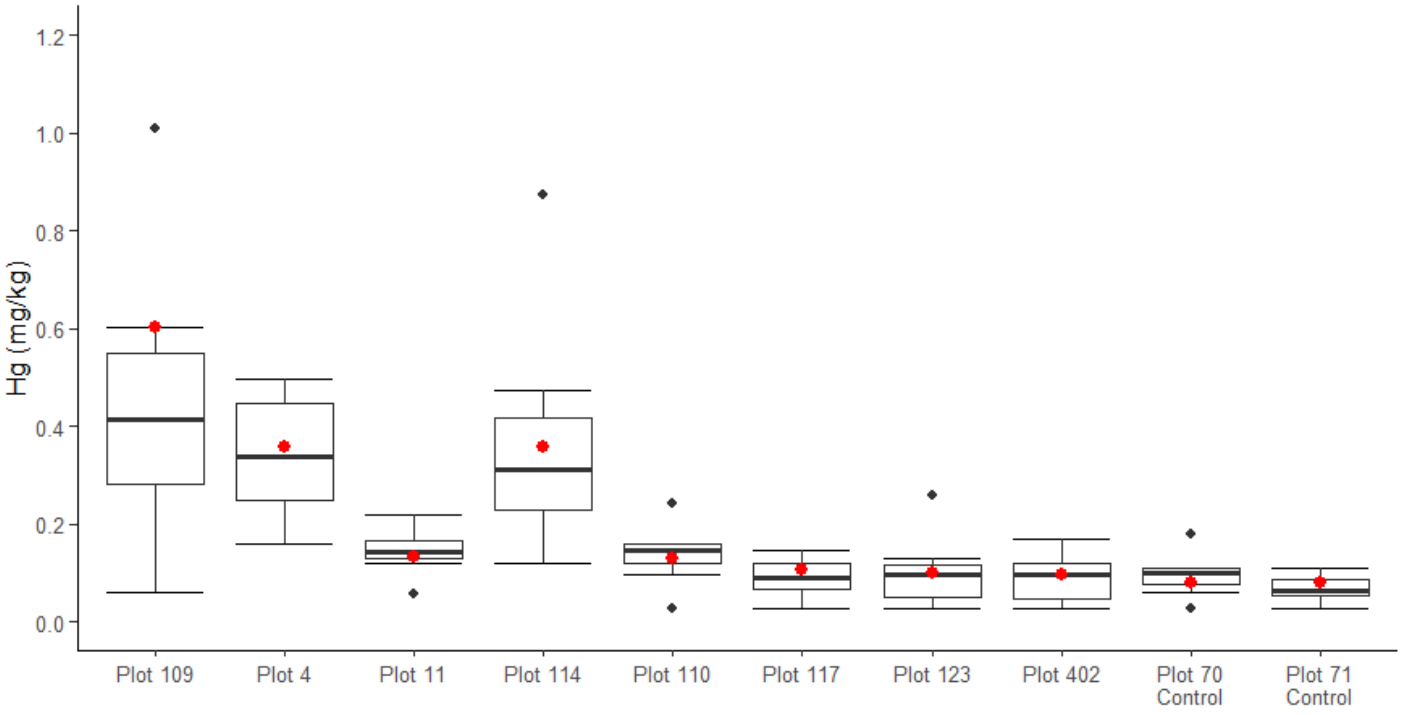
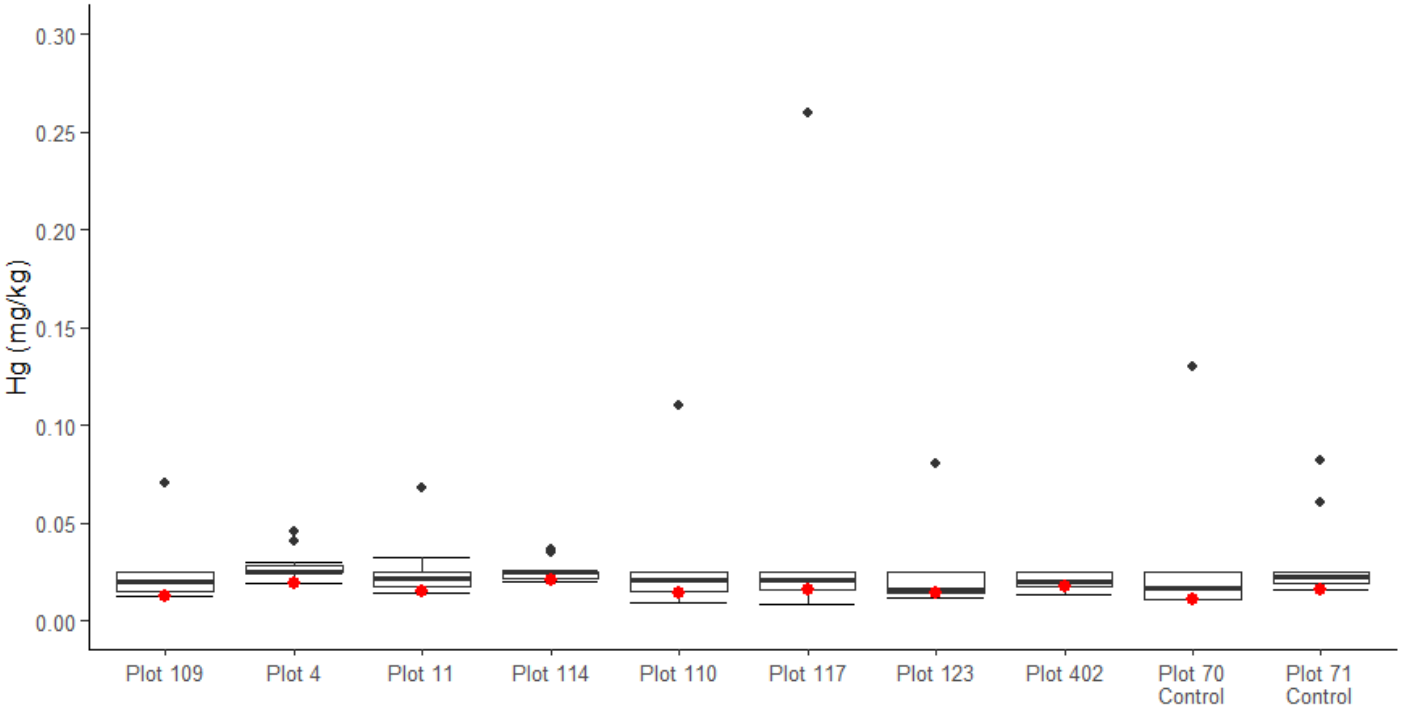
Figure E.14

Hg in Moss



Hg in Labrador Tea



- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mercury

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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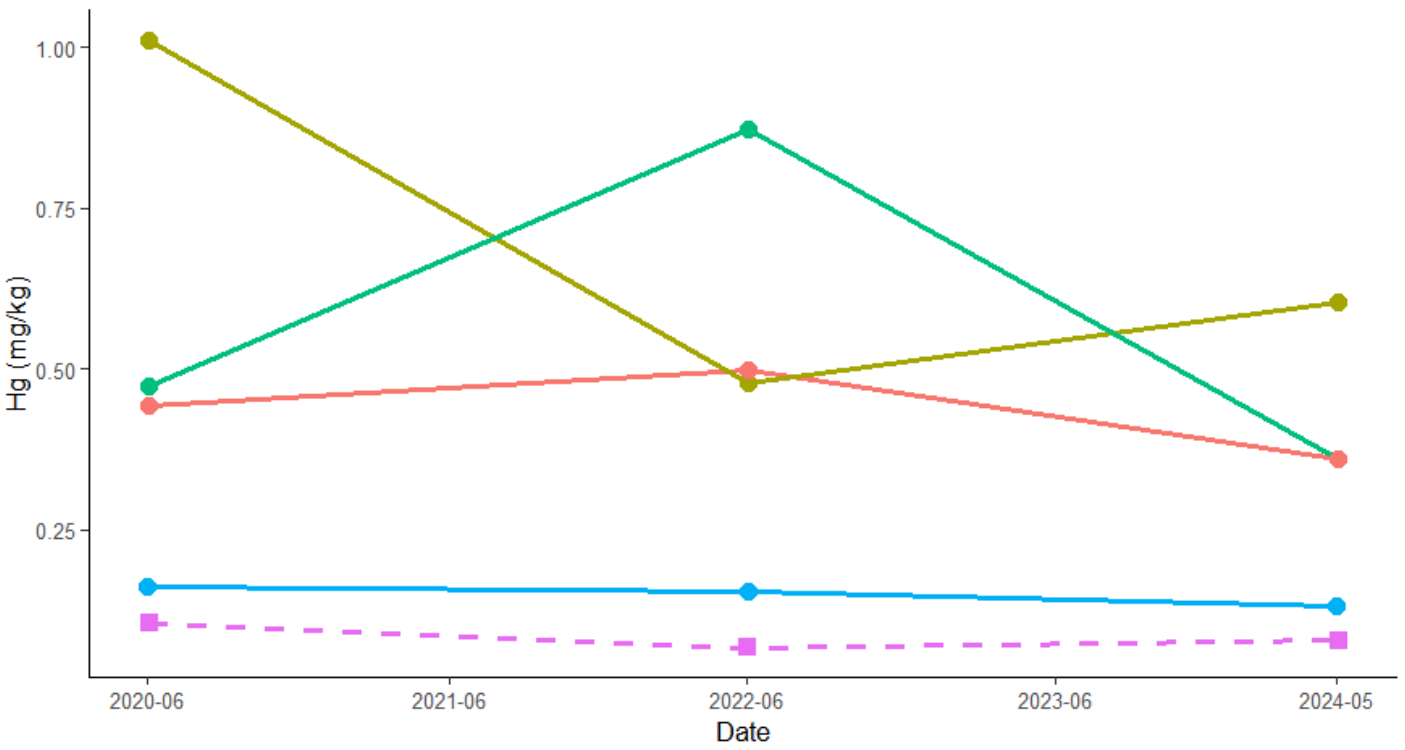
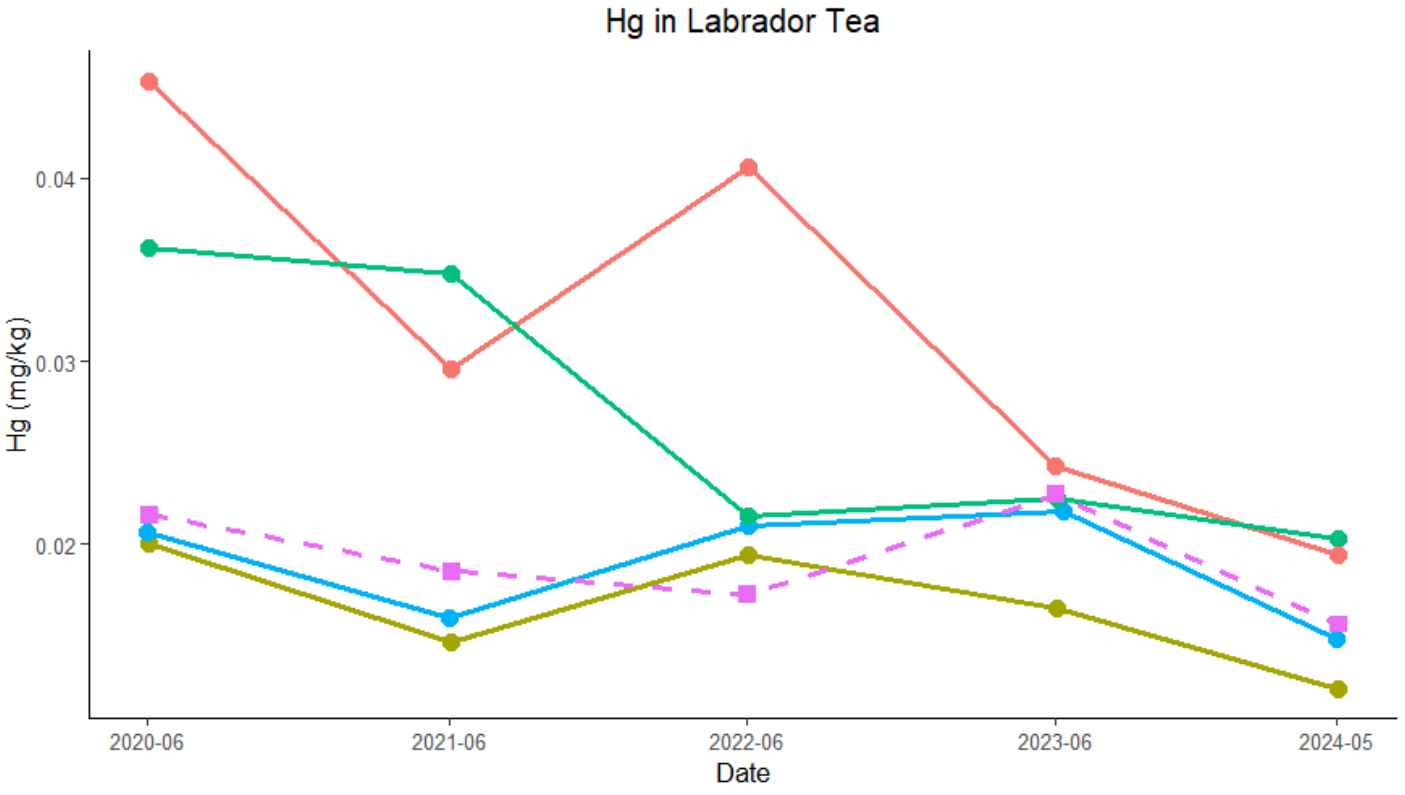
Figure **E.15**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 - Natural Area (12 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mercury

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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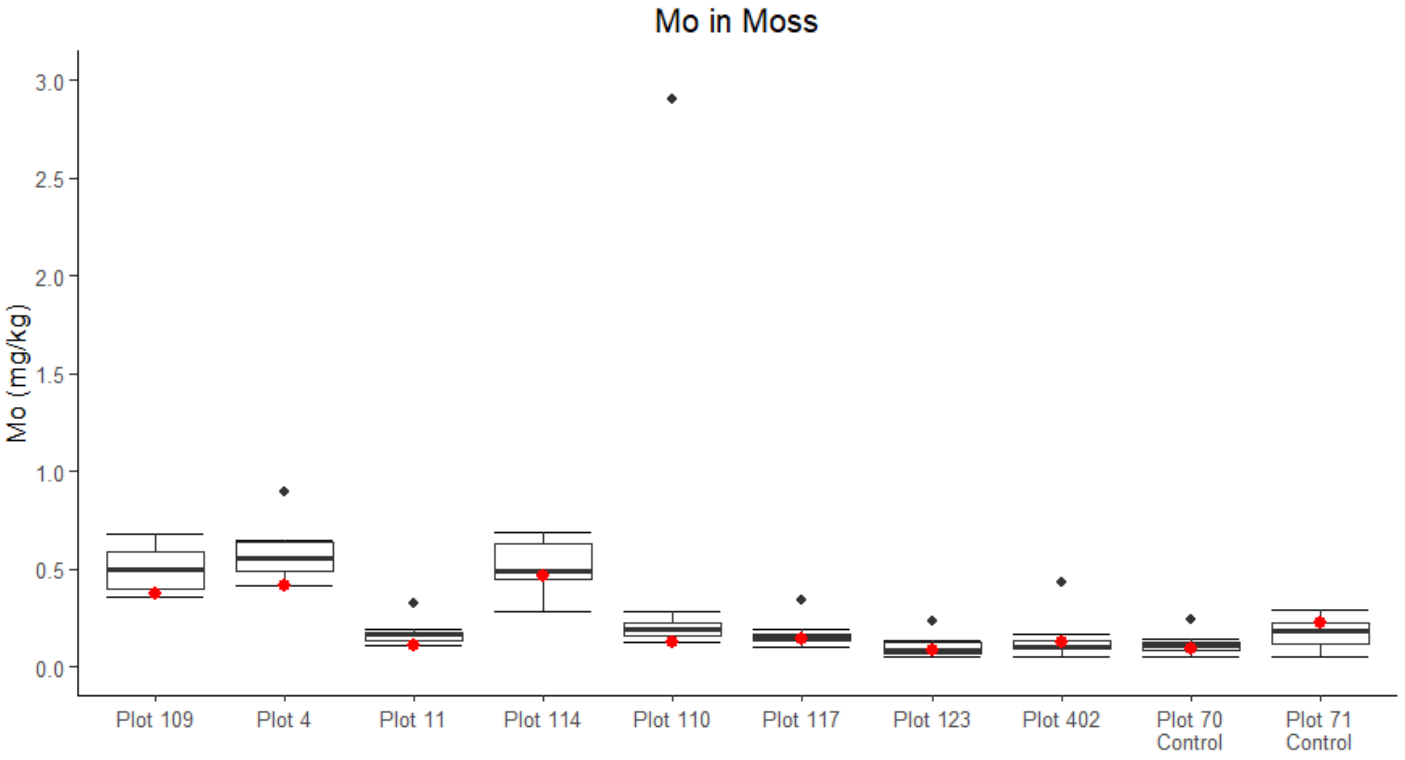
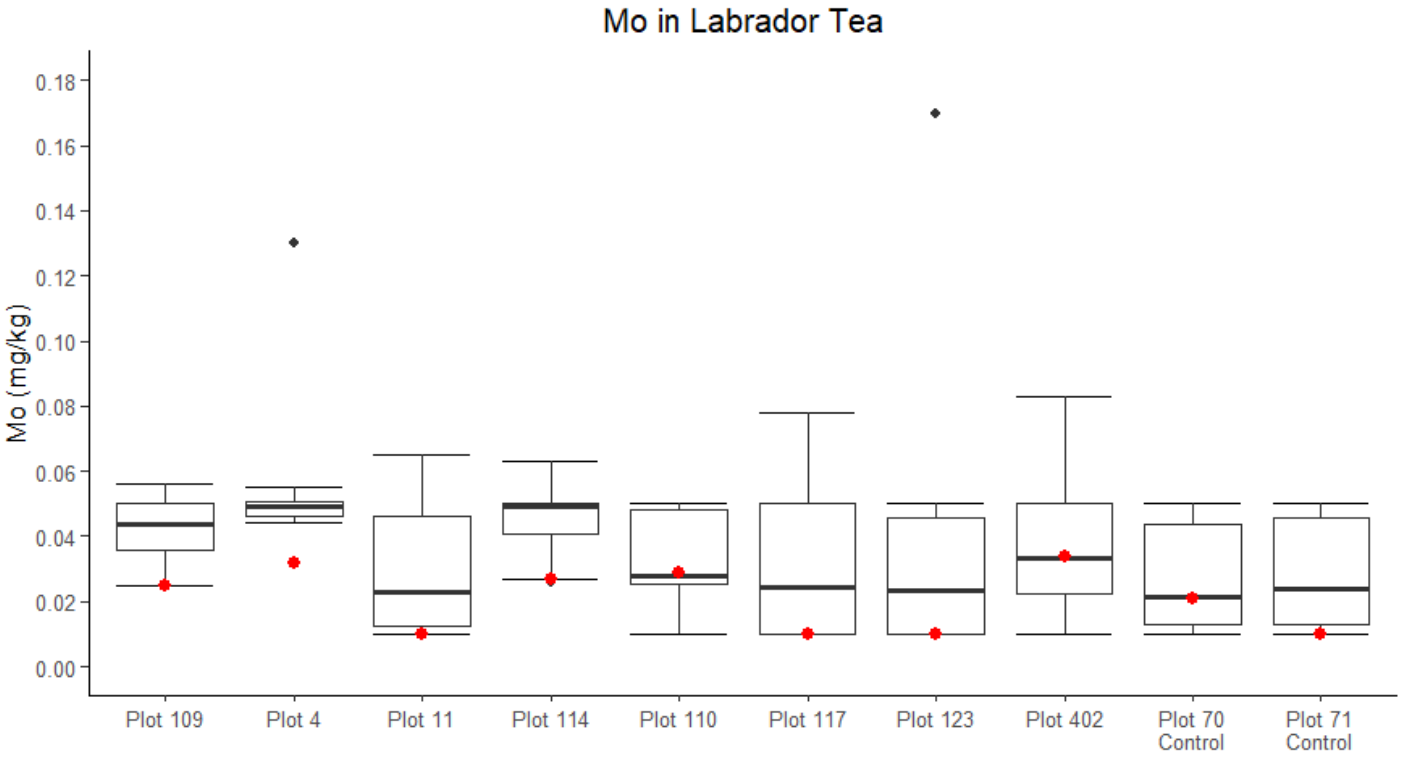
Figure E.16





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Molybdenum

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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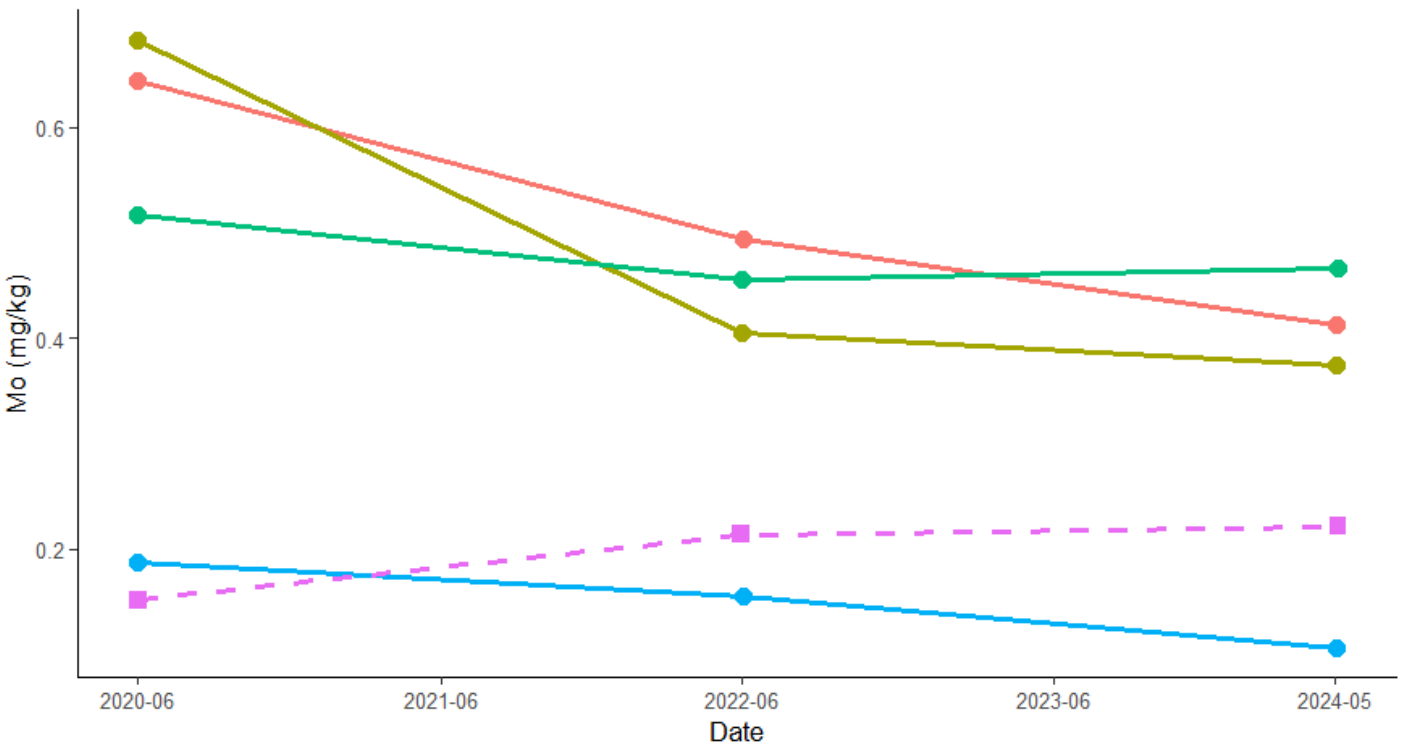
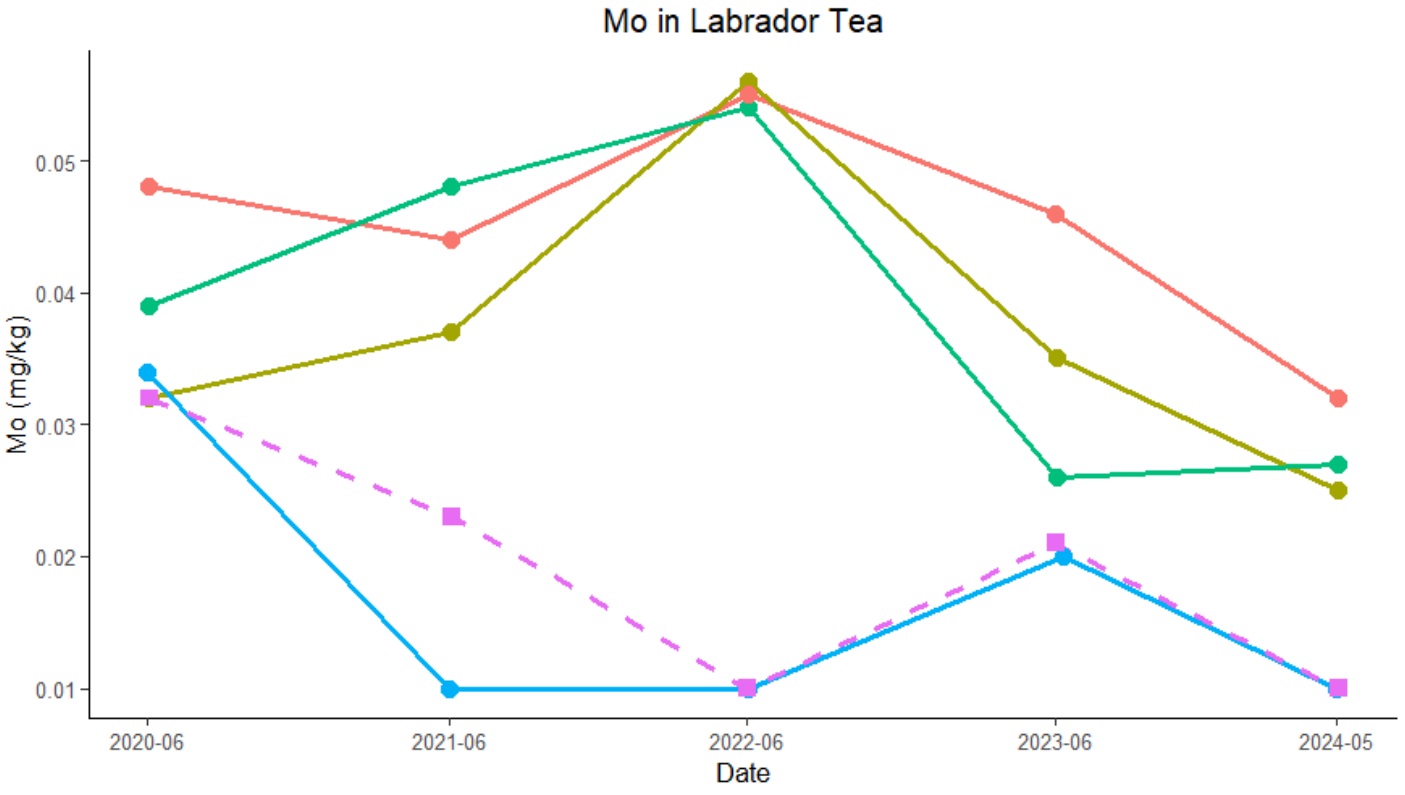
Figure E.17





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 - Natural Area (4 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Molybdenum

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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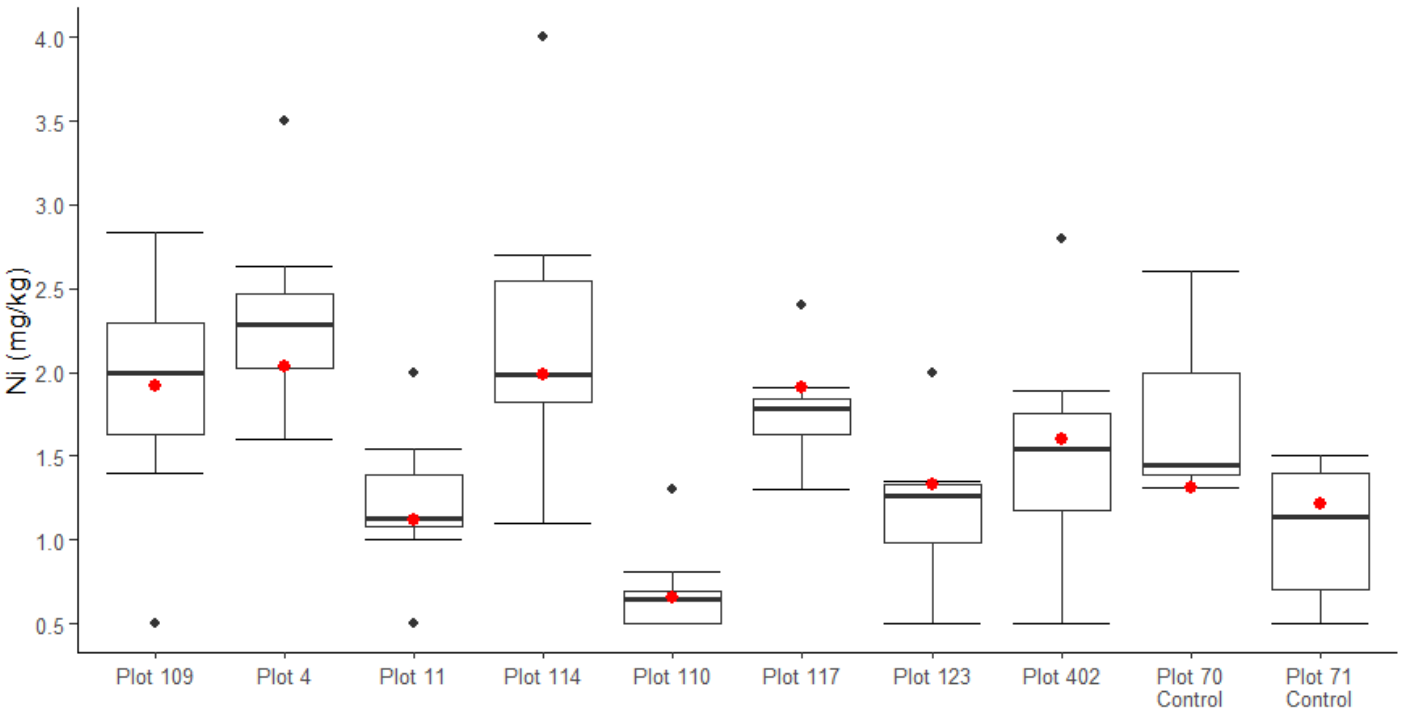
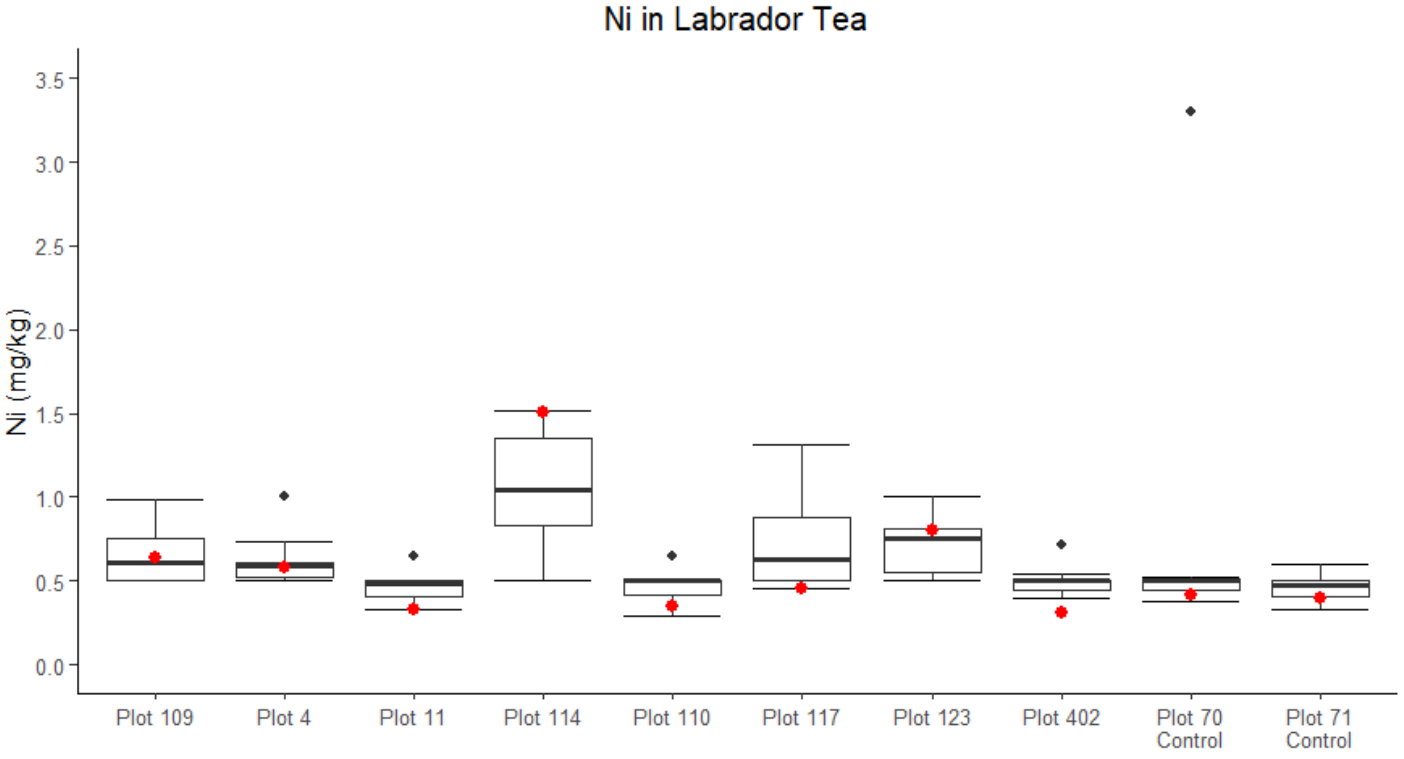
Figure **E.18**





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Nickel

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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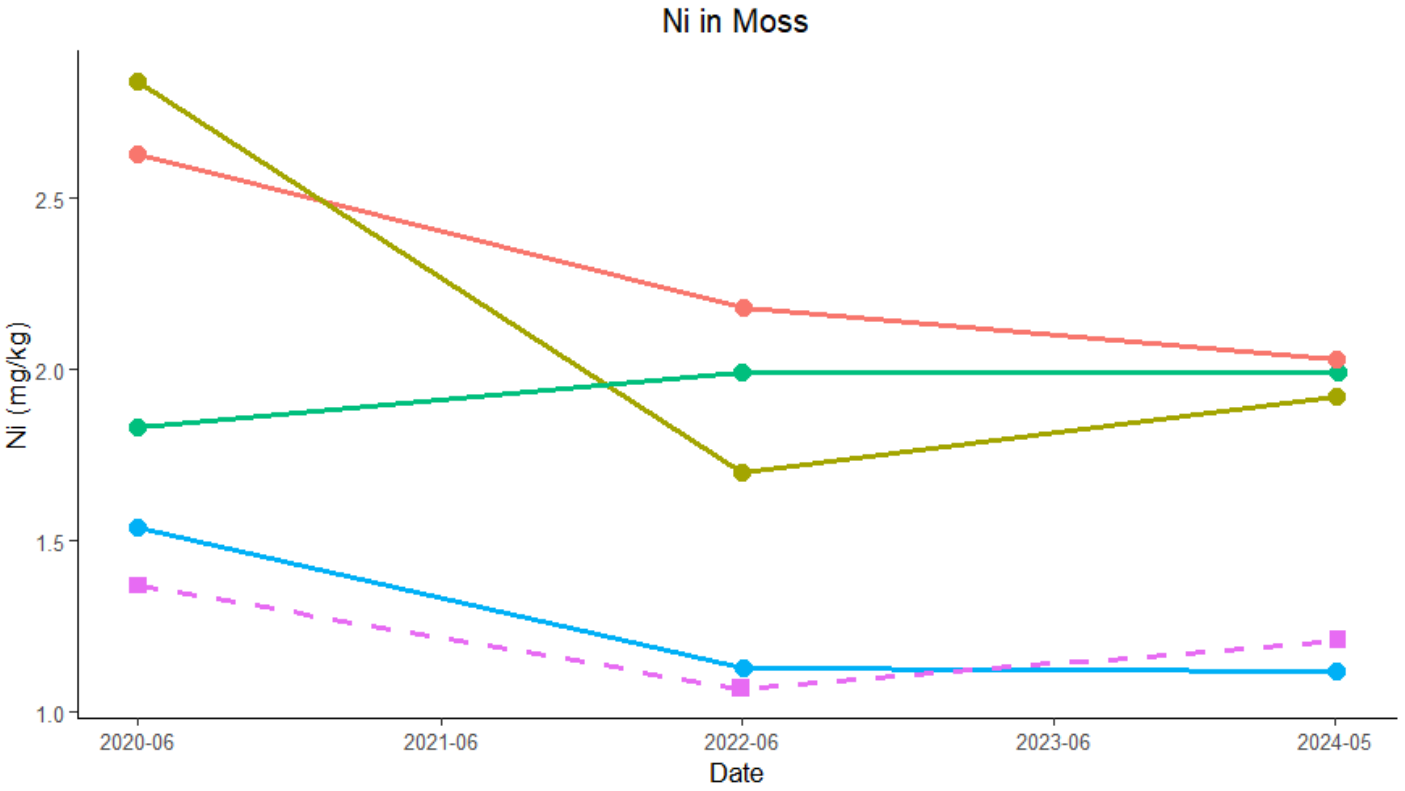
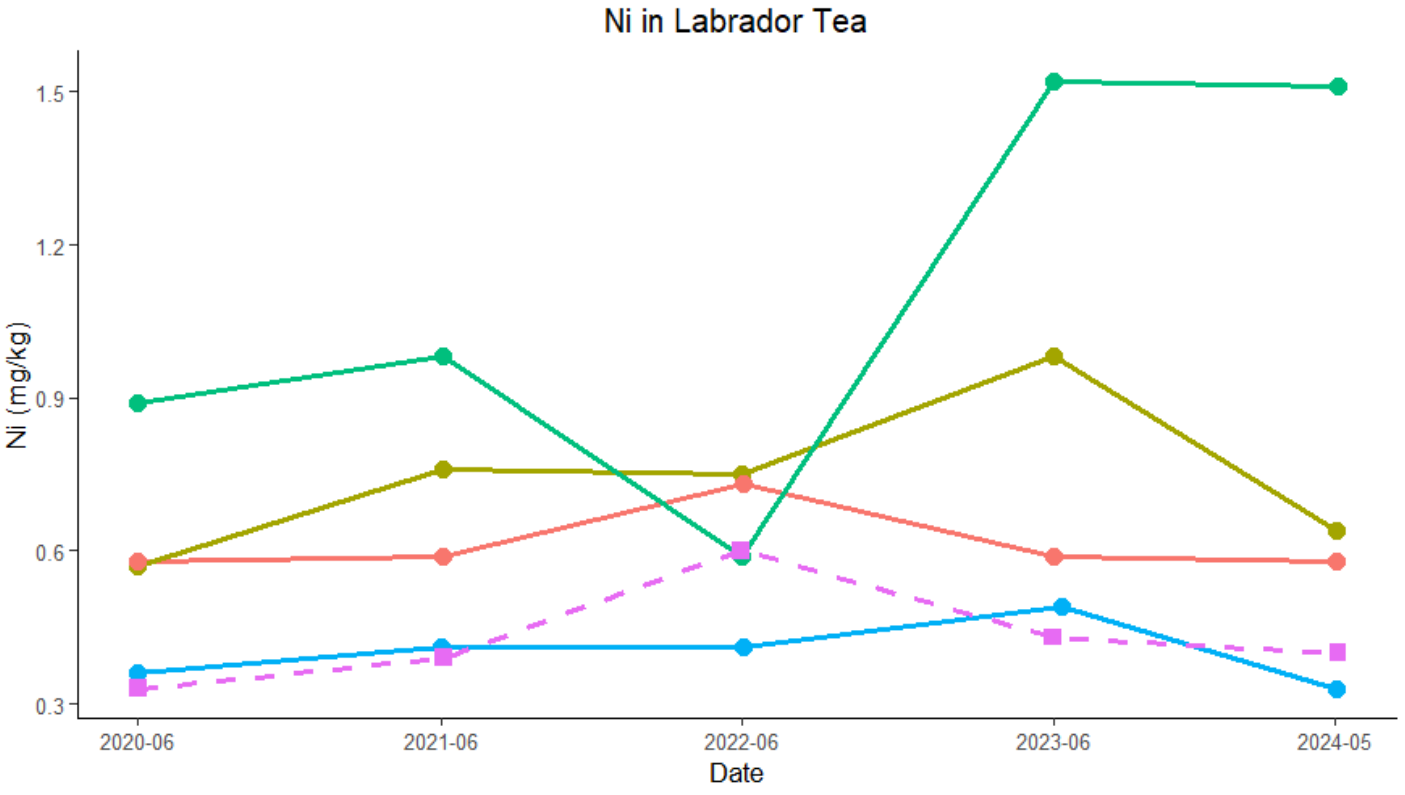
Figure E.19





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 - Natural Area (45 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Nickel

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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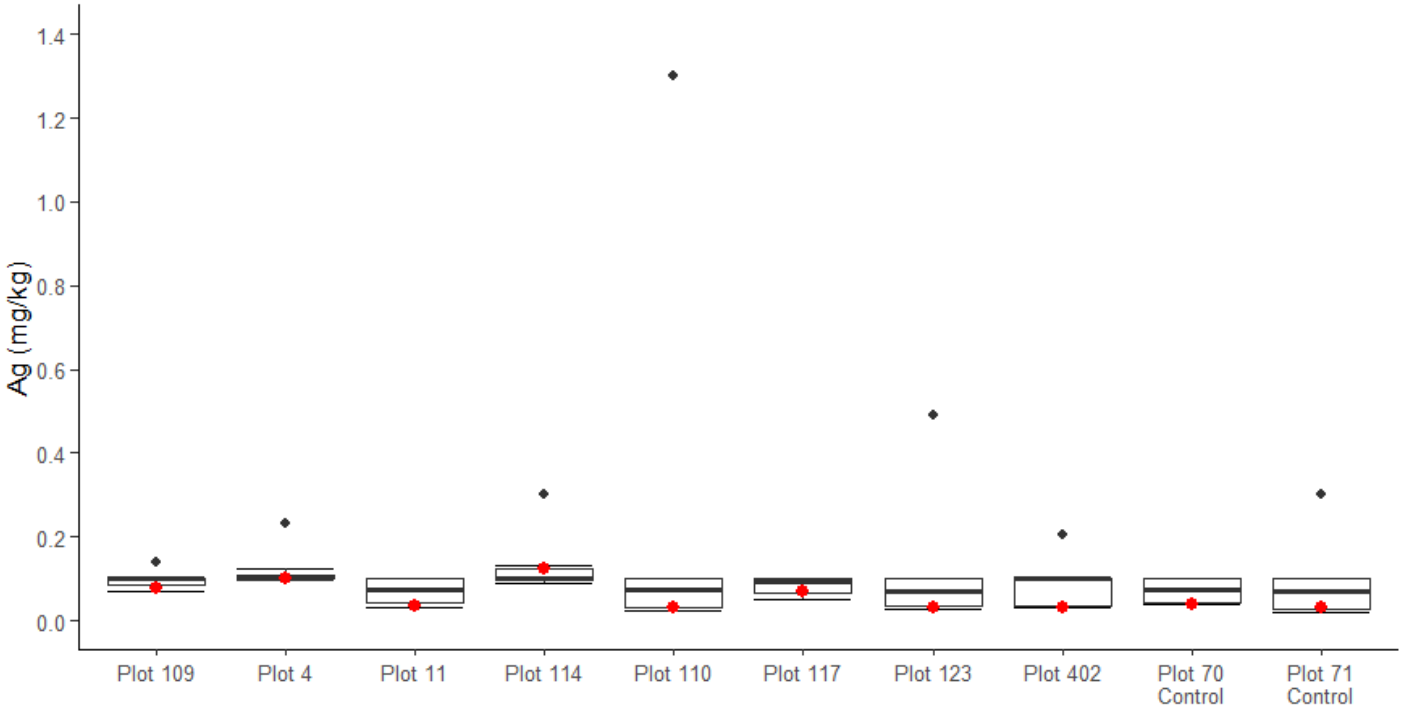
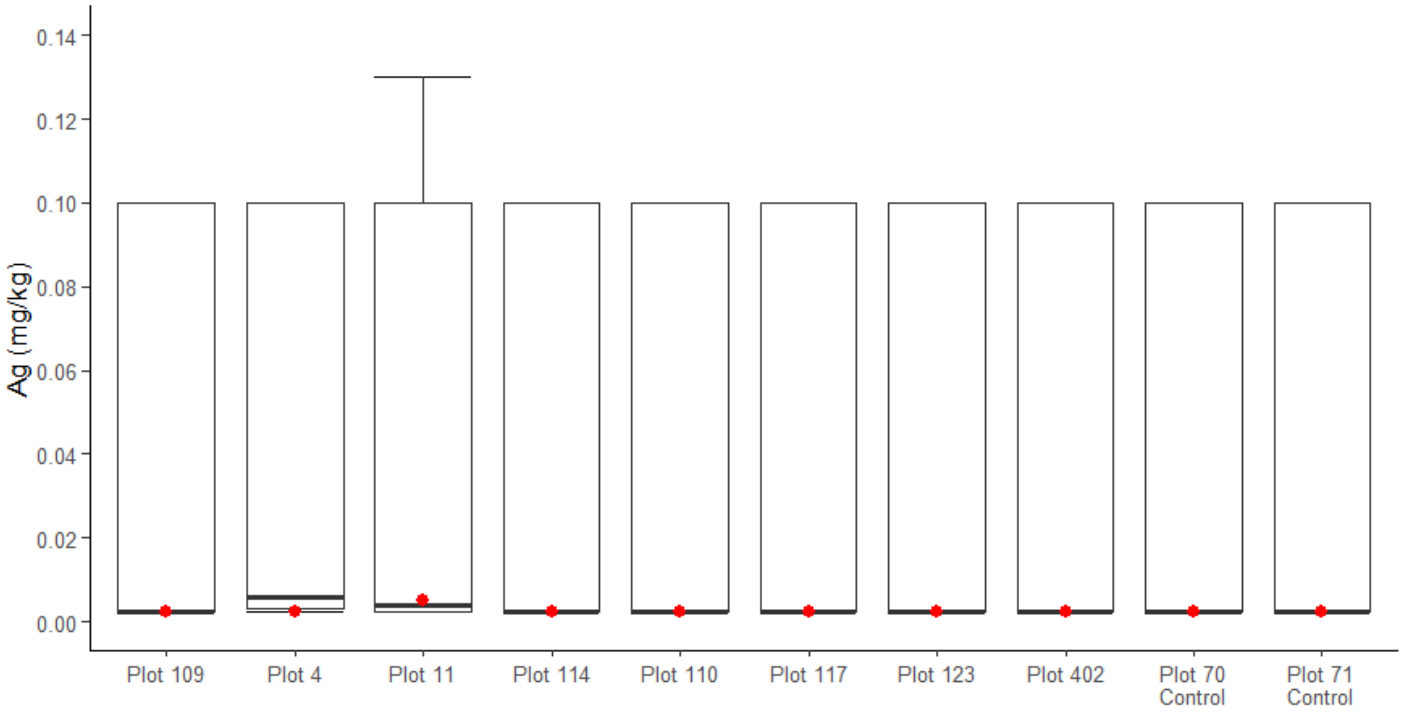
Figure **E.20**

Ag in Moss



Ag in Labrador Tea



Median

Interquartile Range (IQR) (25th to 75th percentile)

1.5×IQR boundary or most extreme data value

Outlier (Data point greater than 1.5×IQR)

2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Silver

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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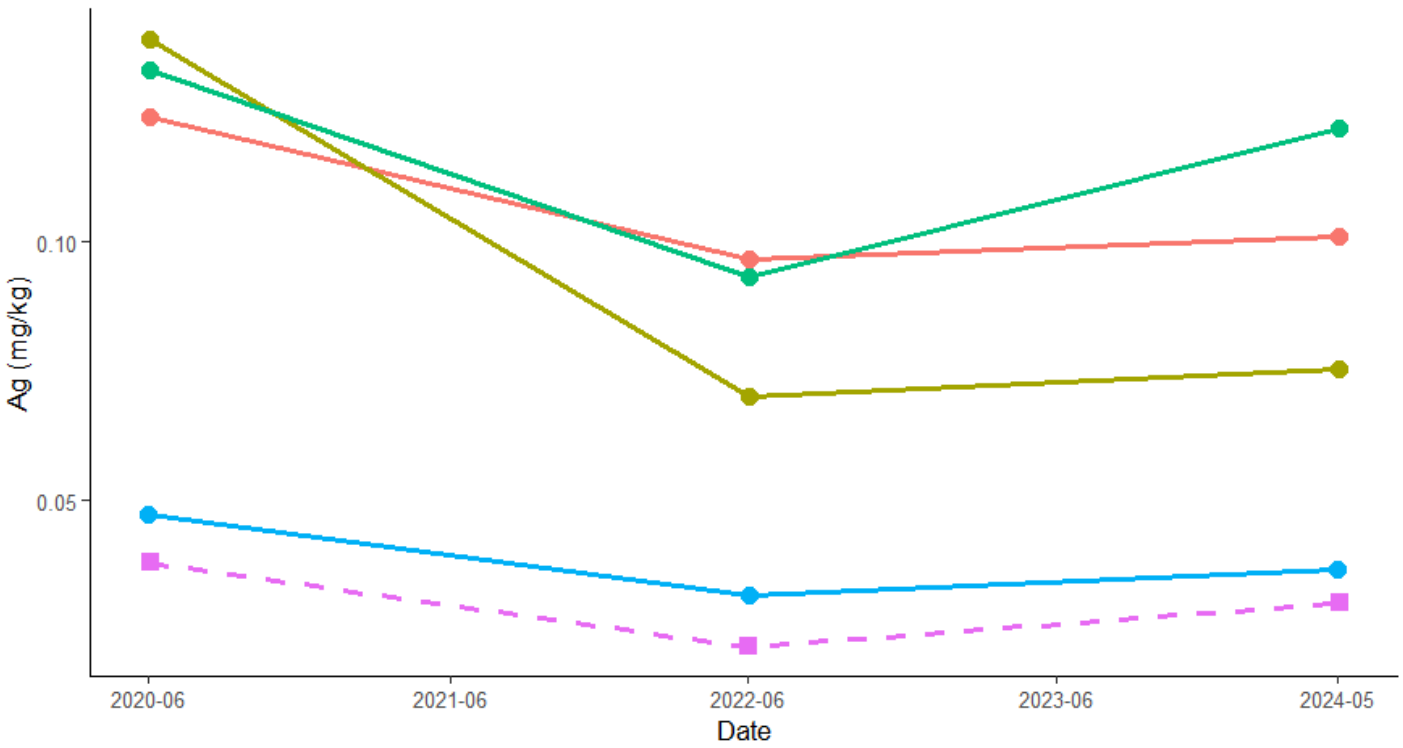
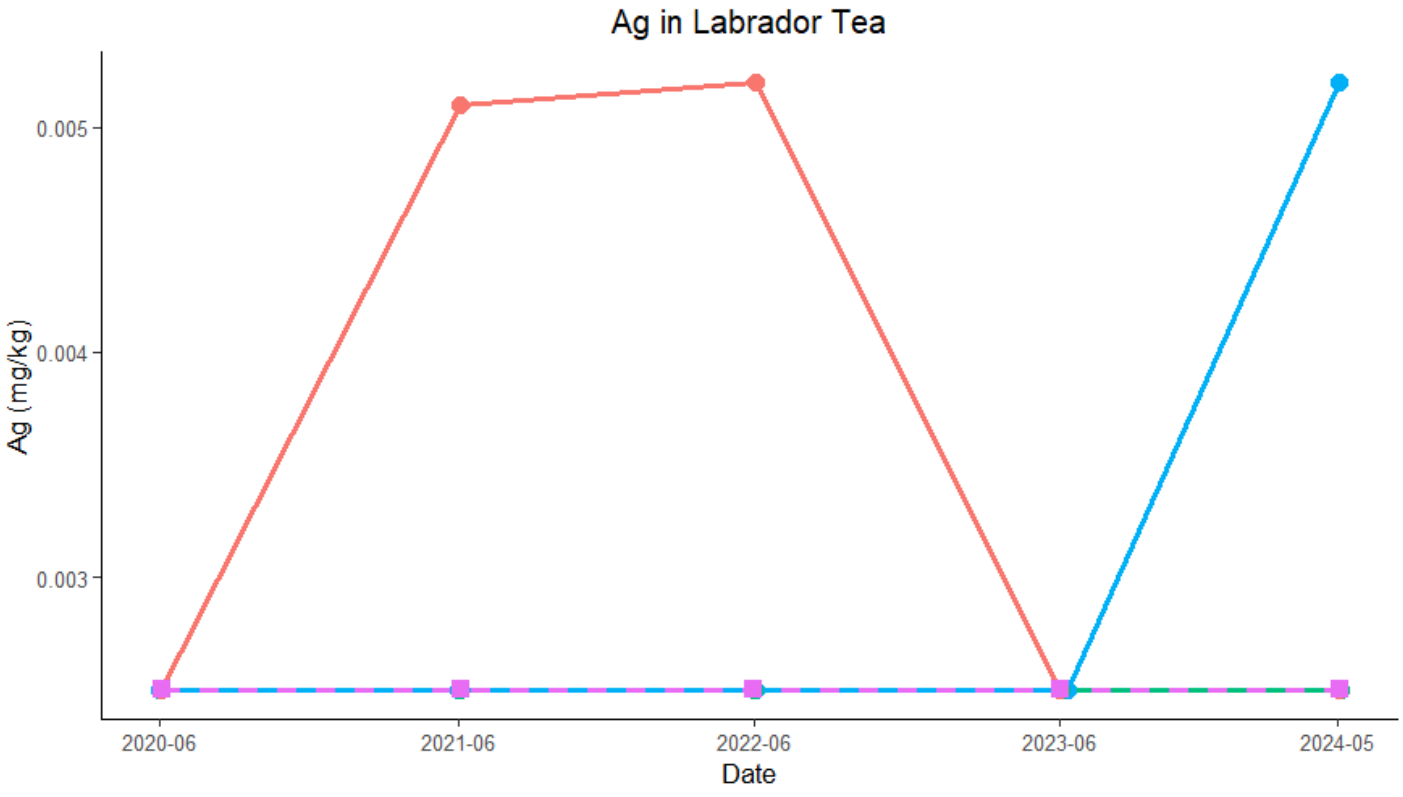
Figure **E.21**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Silver

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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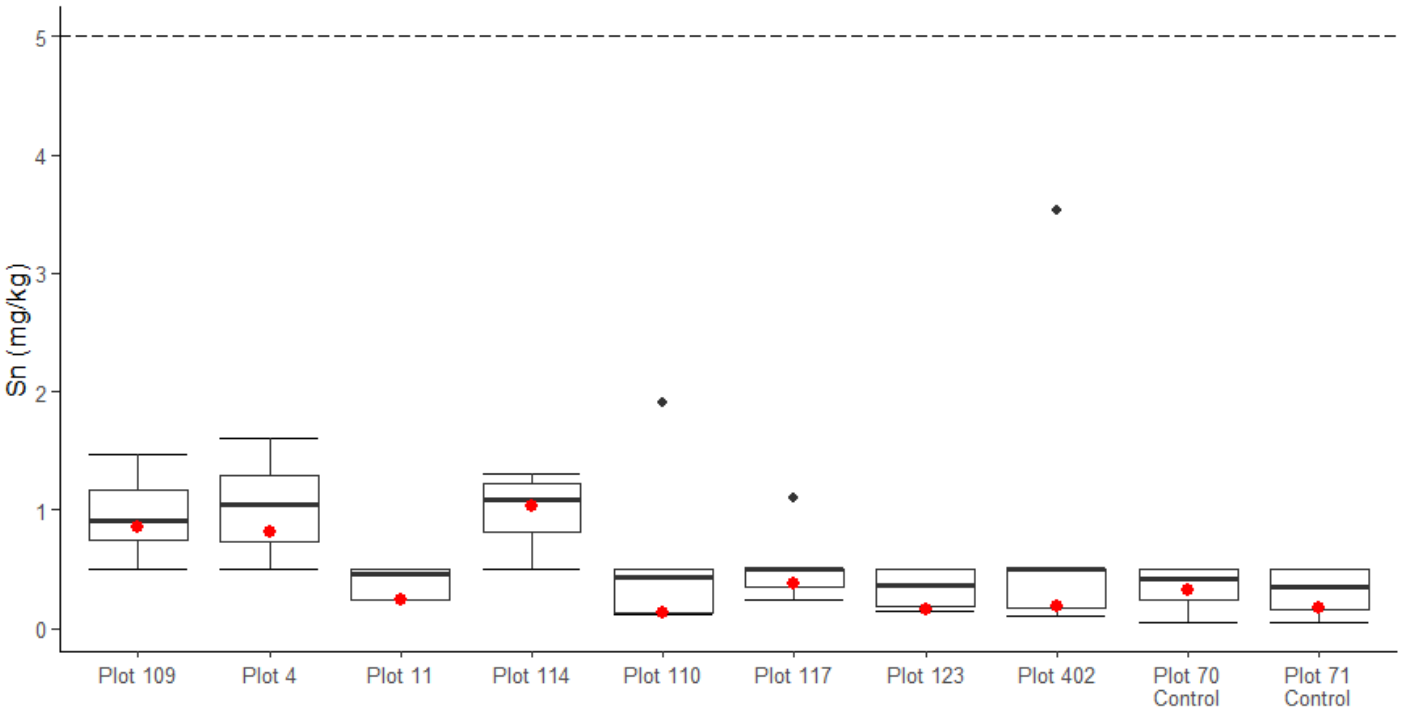
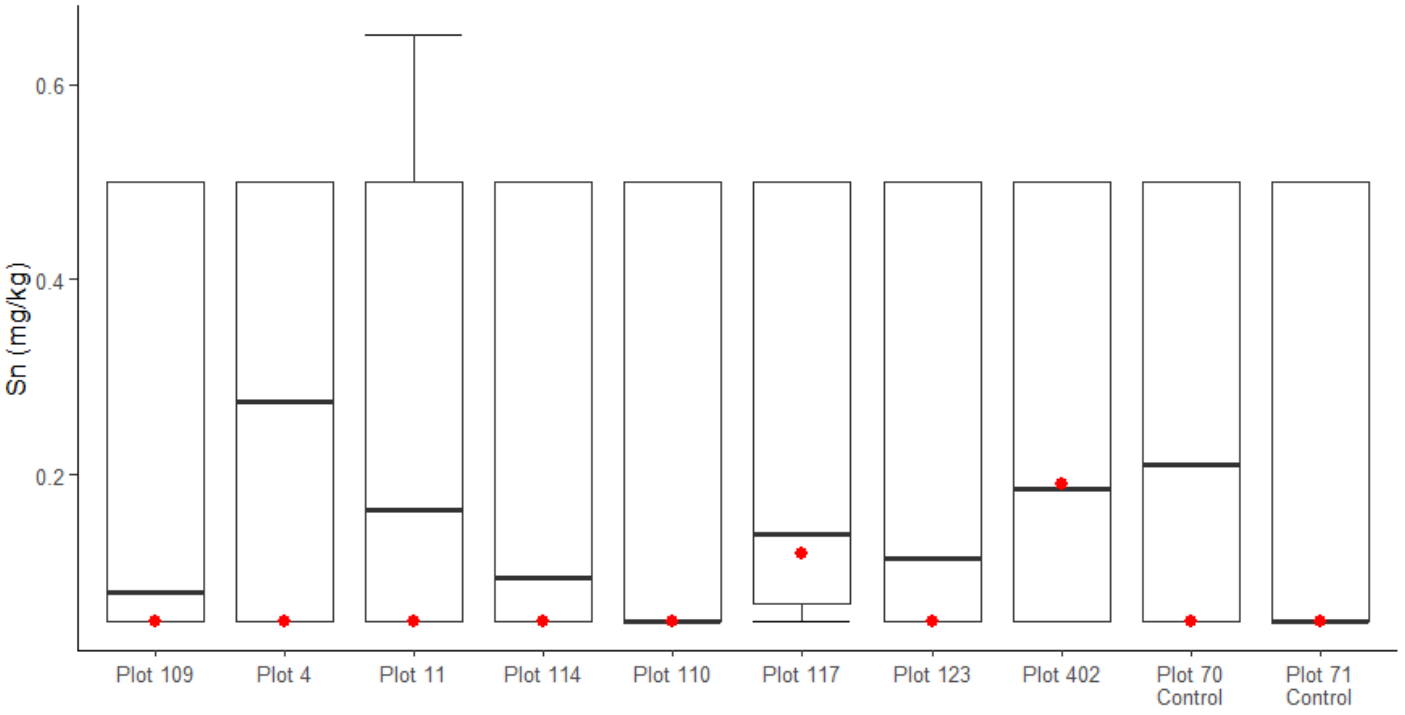
Figure E.22

Sn in Moss



Sn in Labrador Tea



- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample
- Alberta Tier 1 - Natural Area (250 ng TEQ/kg)
- CCME Guideline (4 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Tin

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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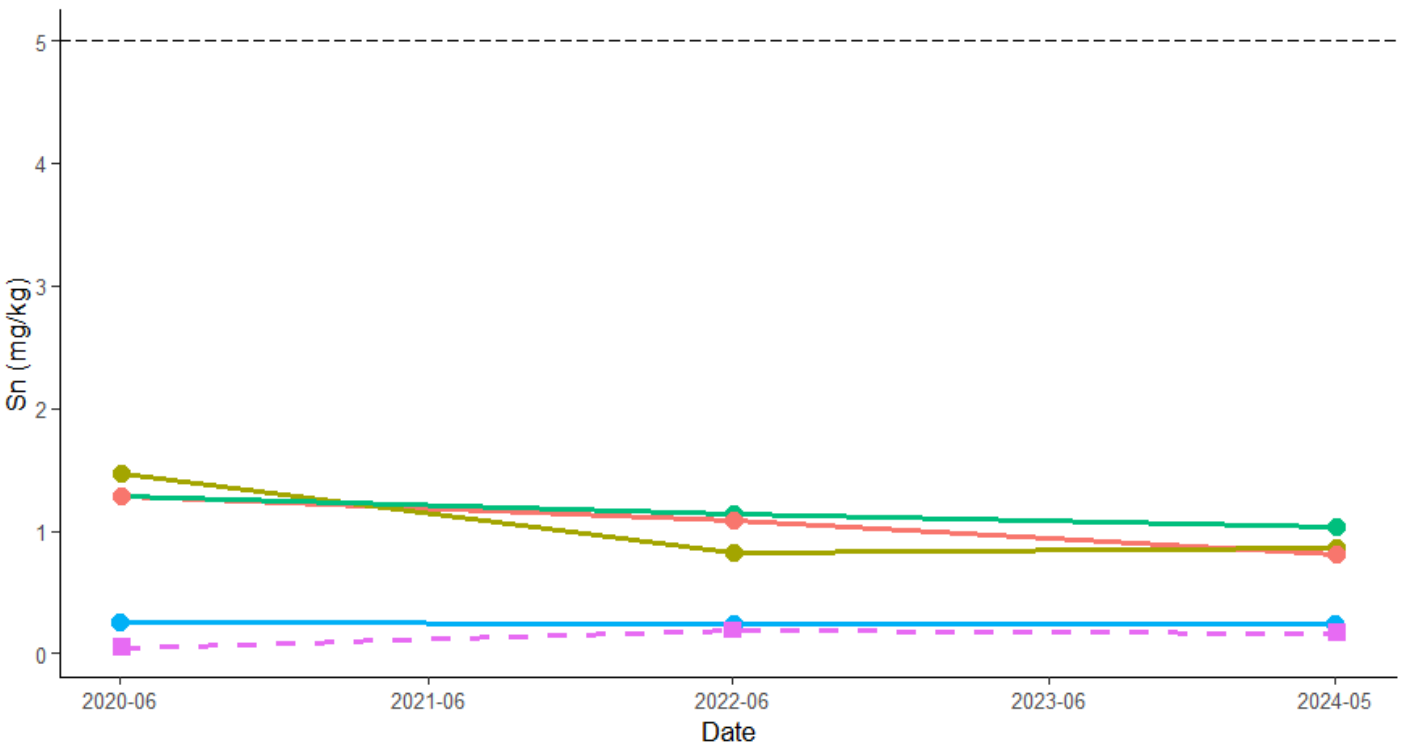
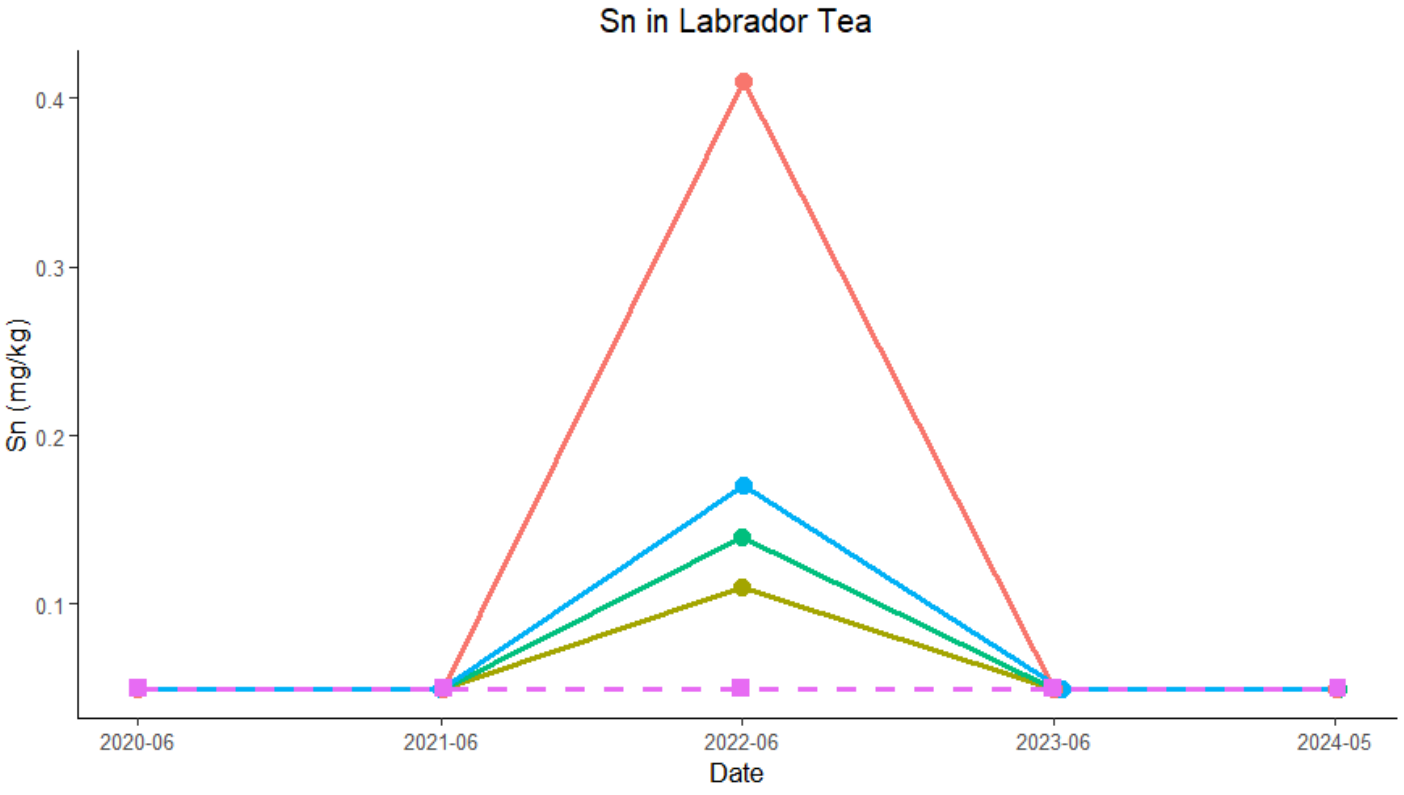
Figure E.23





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
--- Alberta Tier 1 – Natural Area (5 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Tin

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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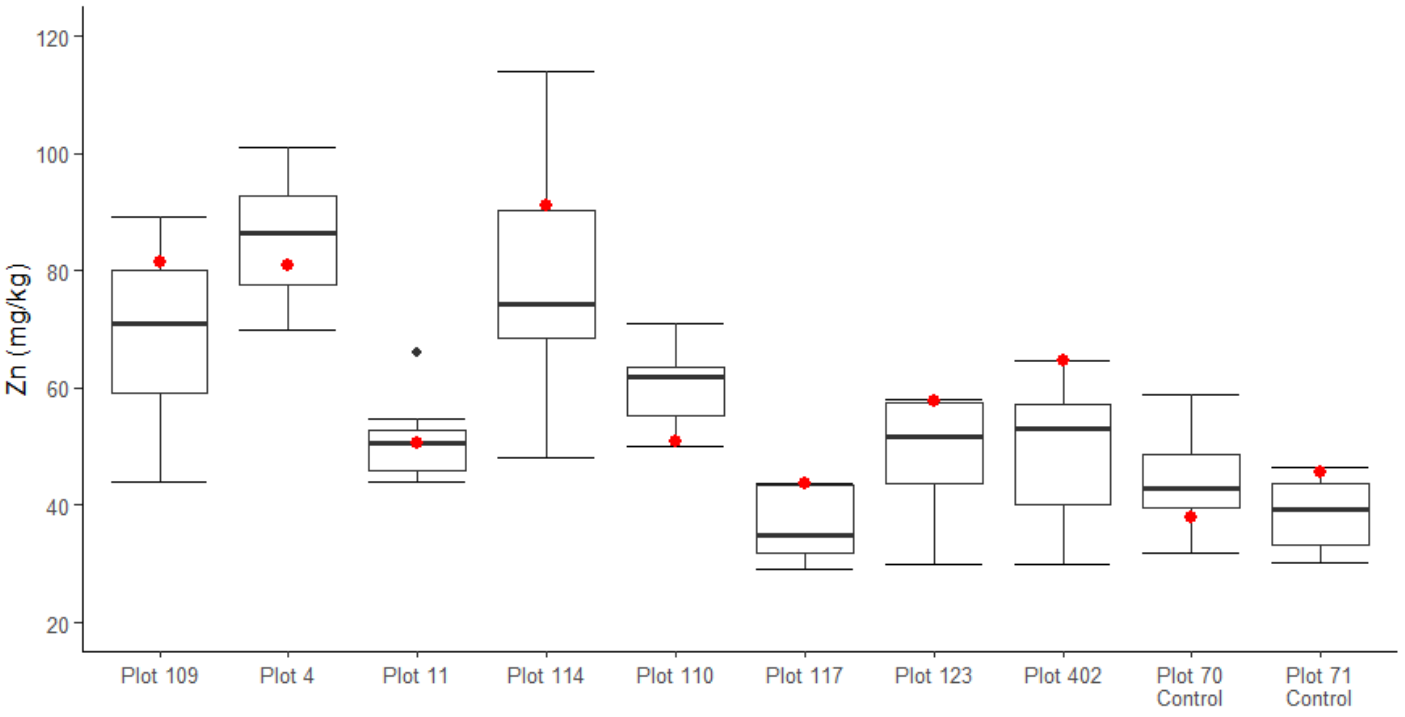
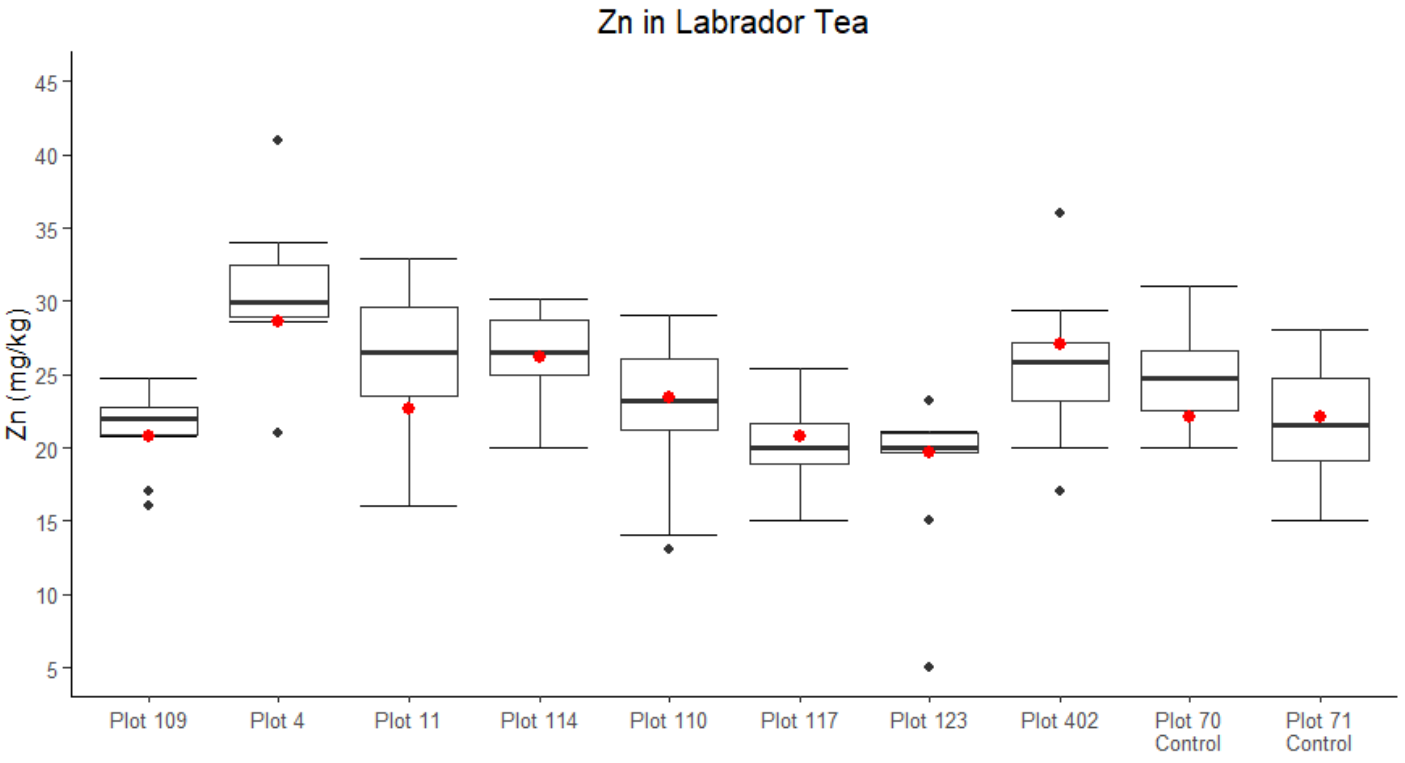
Figure
E.24





- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Zinc

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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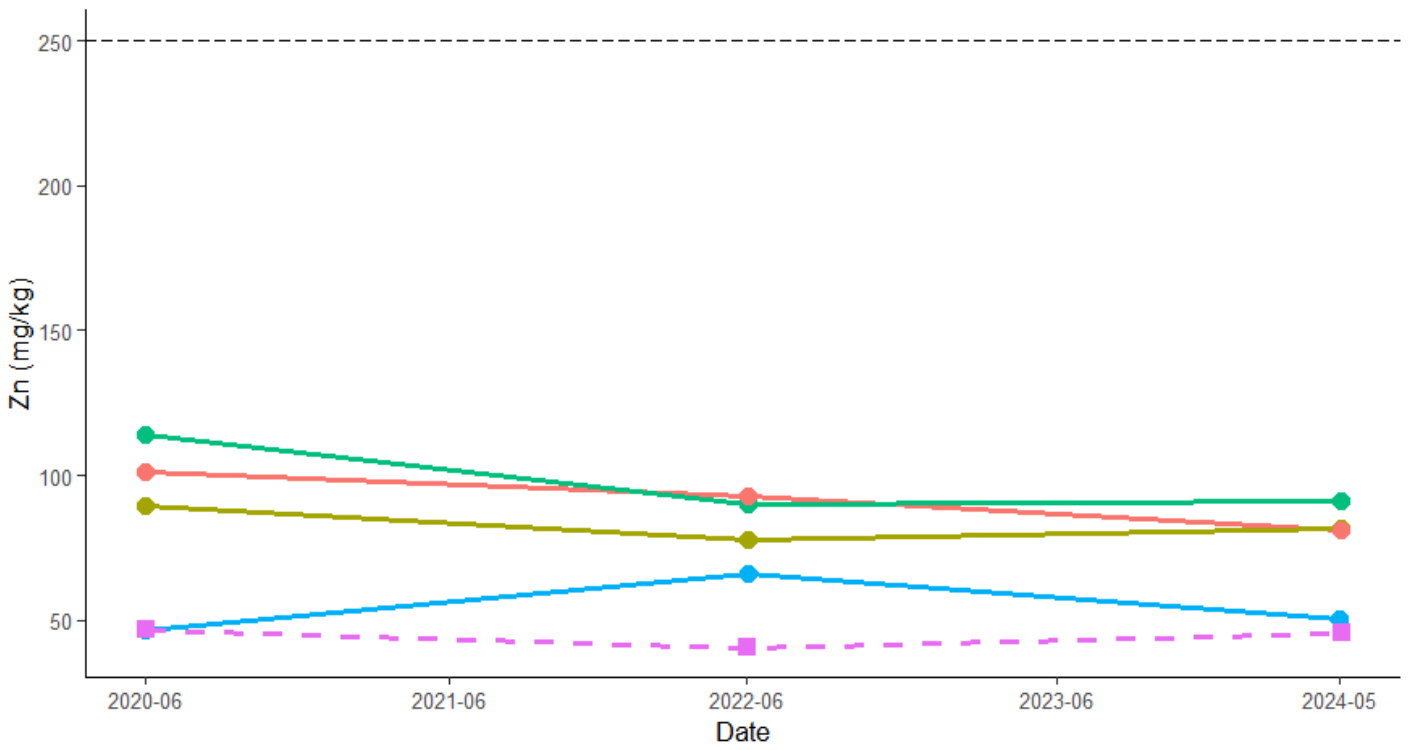
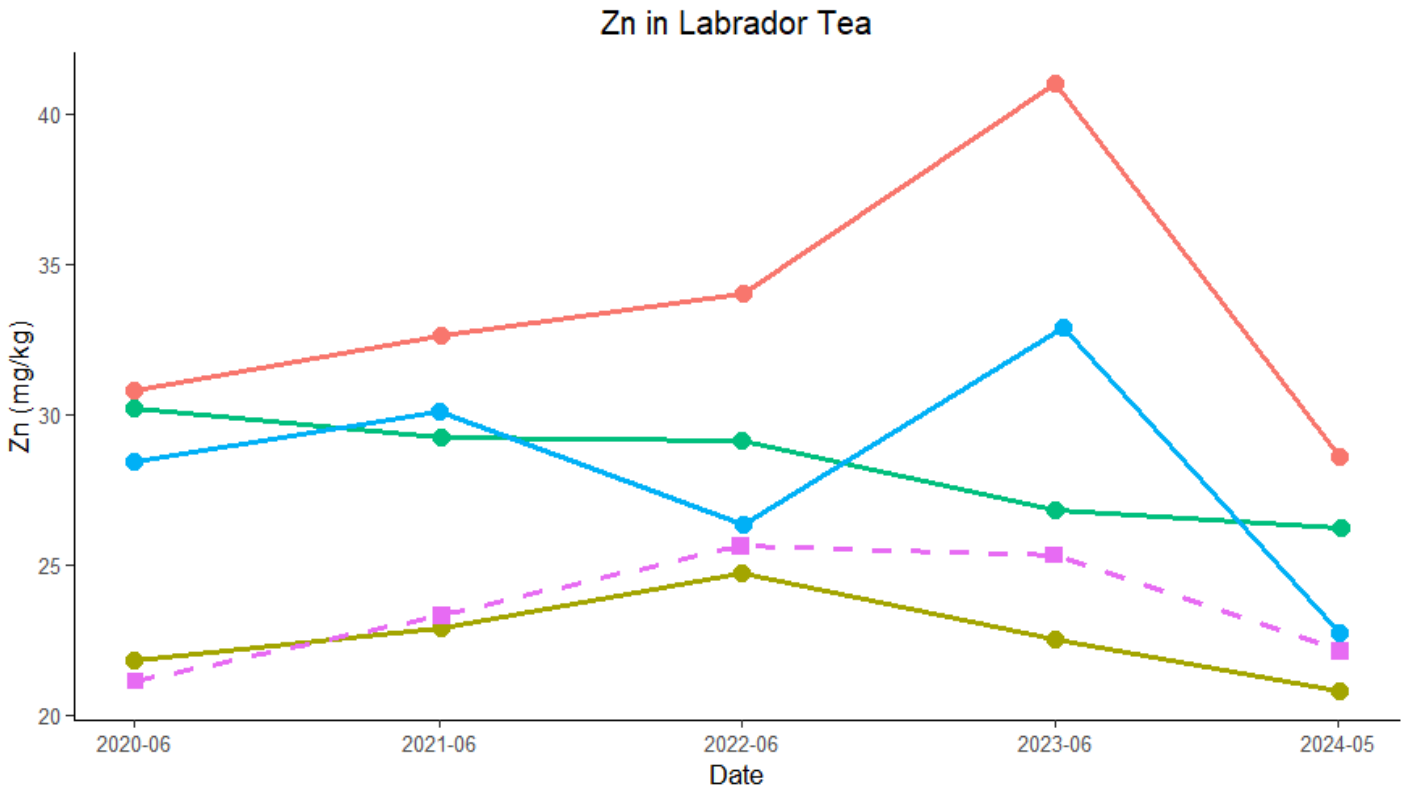
Figure E.25





Plot 4
Plot 109
Plot 114
Plot 11
Plot 71 - Control
Alberta Tier 1 – Natural Area (250 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Zinc

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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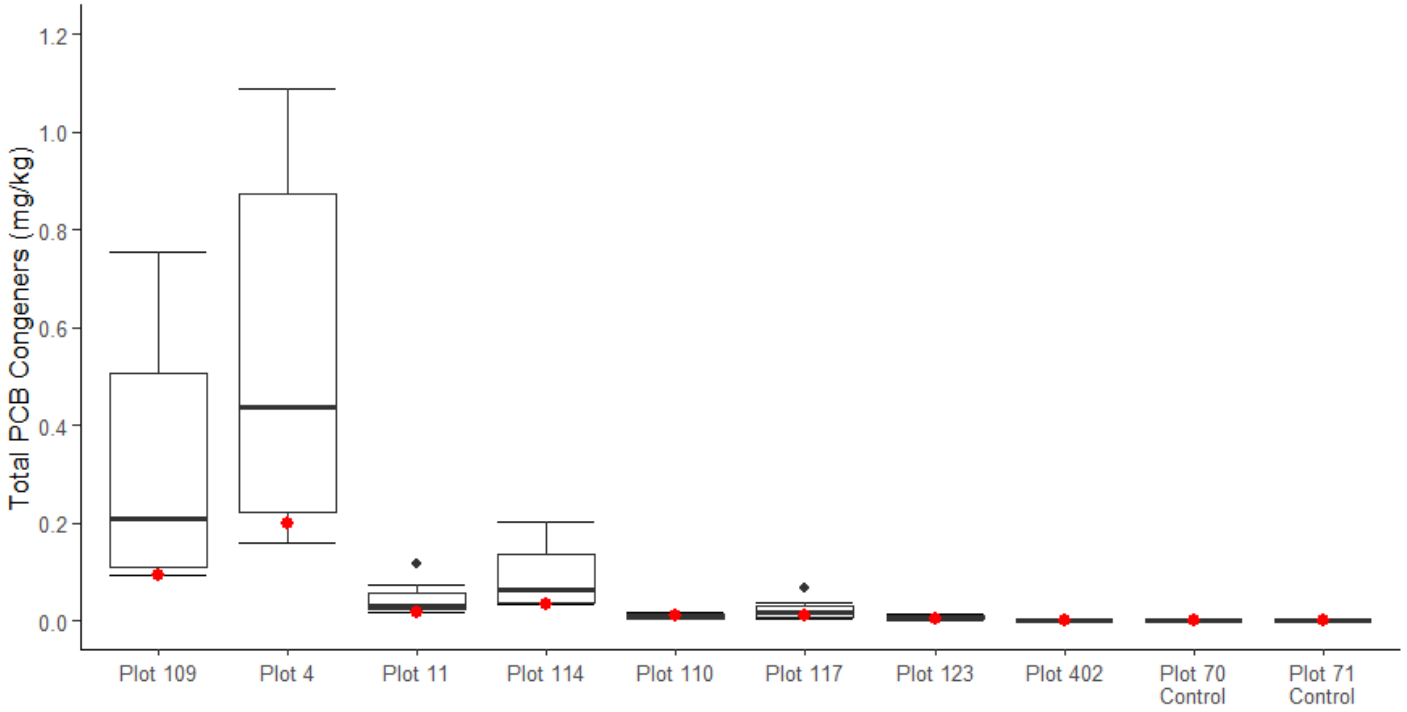
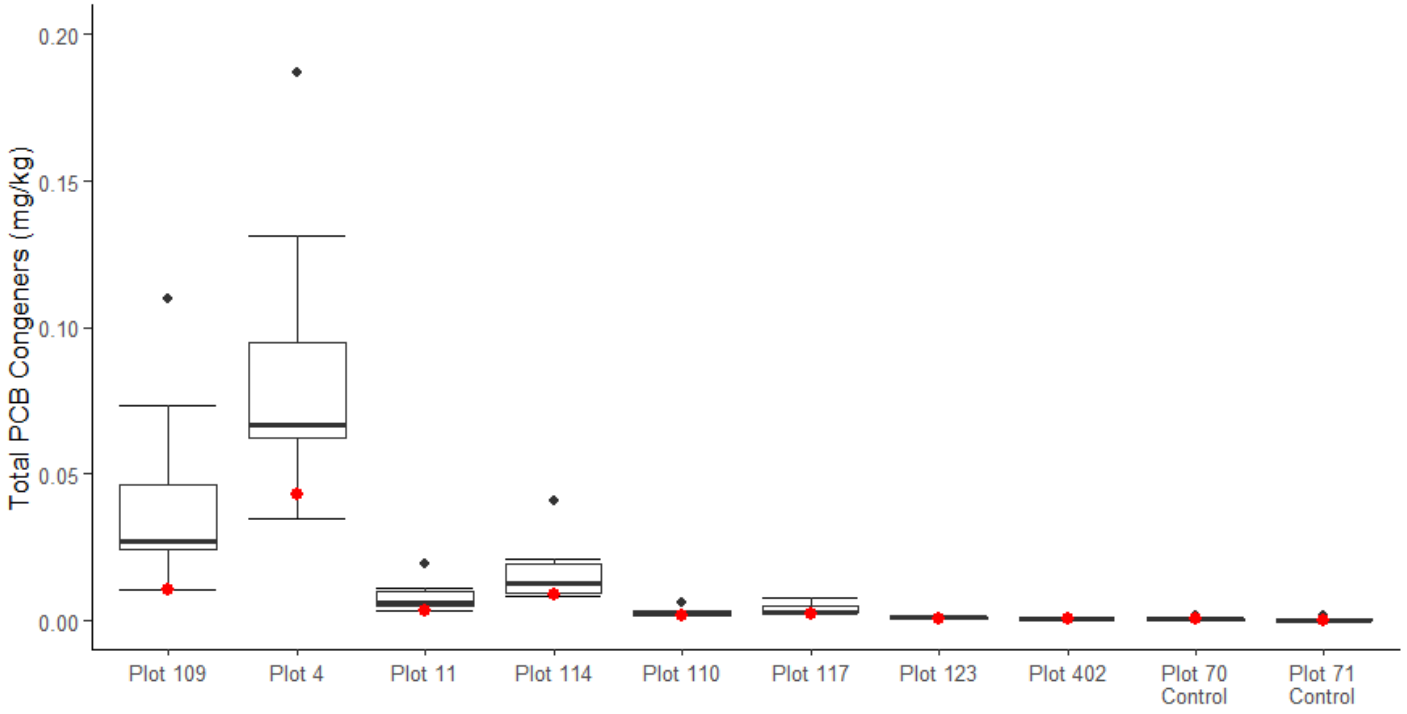
Figure E.26

PCB Concentration (Congeners) in Moss



PCB Concentration (Congeners) in Labrador Tea



- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB Concentration (Congeners)

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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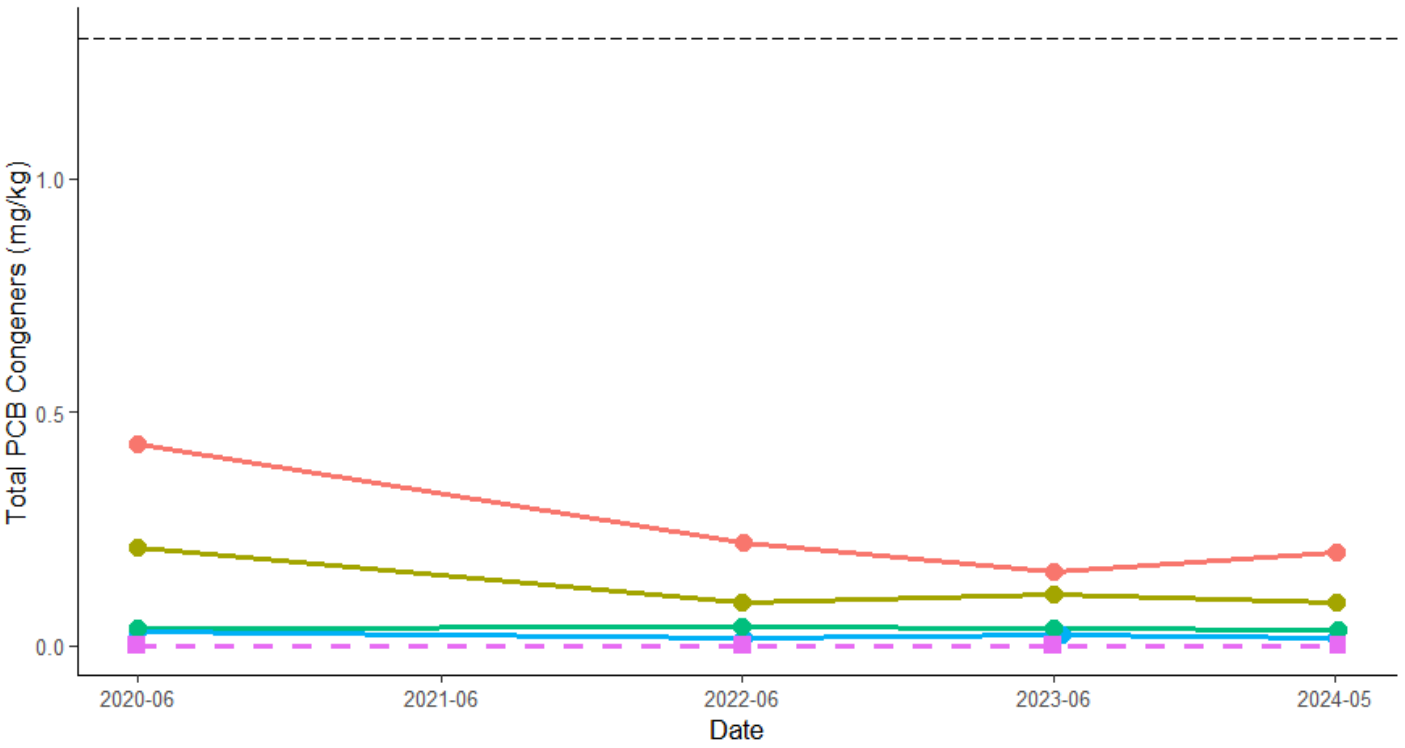
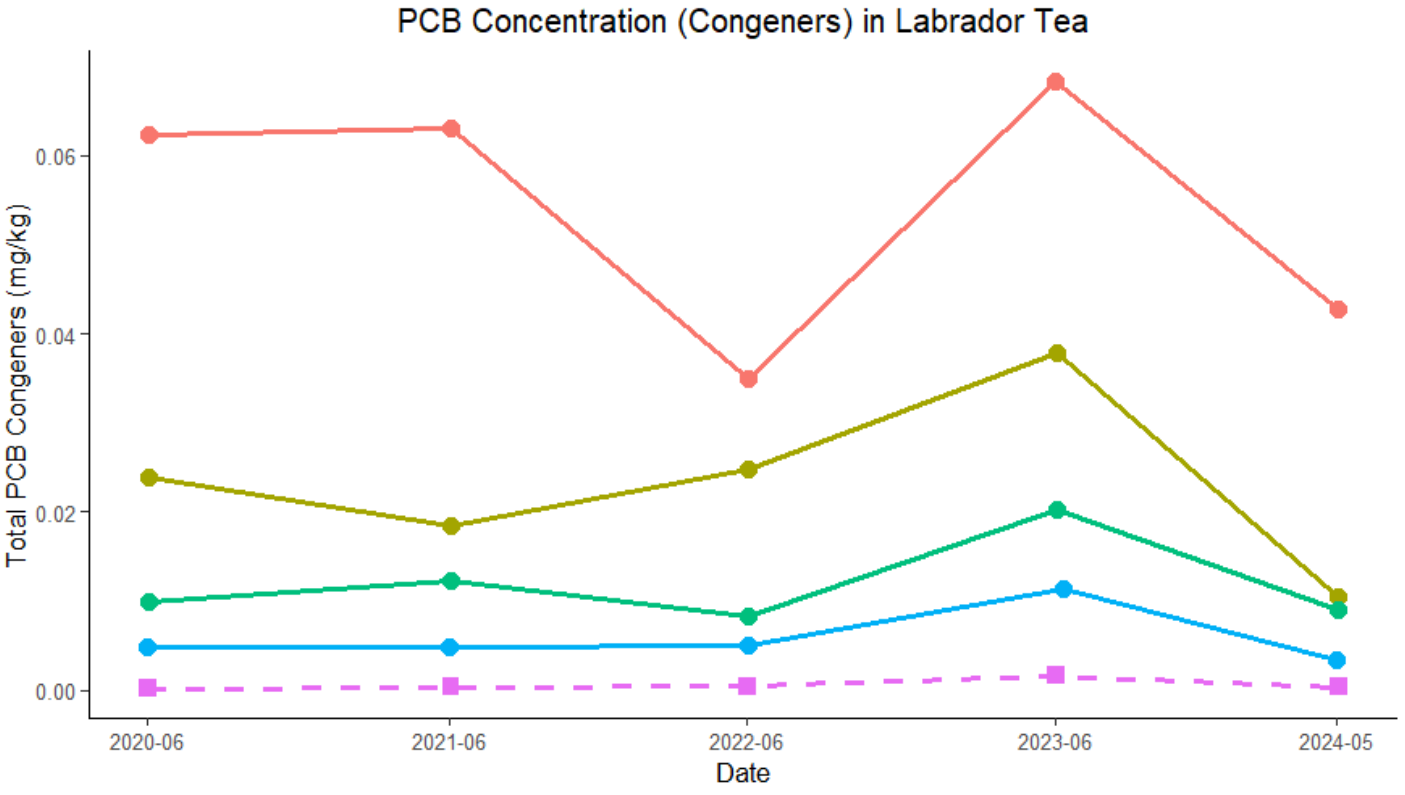
Figure E.27





Plot 4
Plot 109
Plot 114
Plot 11
Plot 70 - Control
Alberta Tier 1 - Natural Area/CCME Guideline (1.3 mg/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB Concentration (Congeners)

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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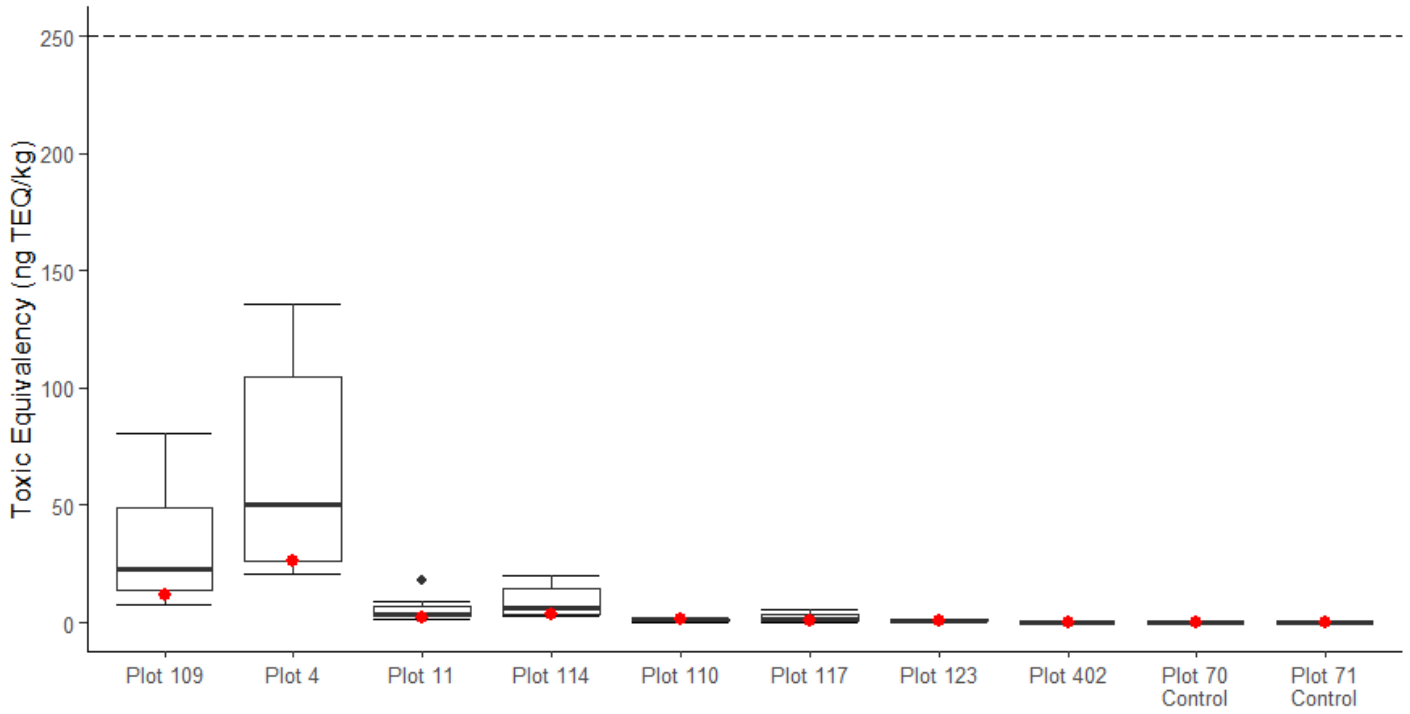
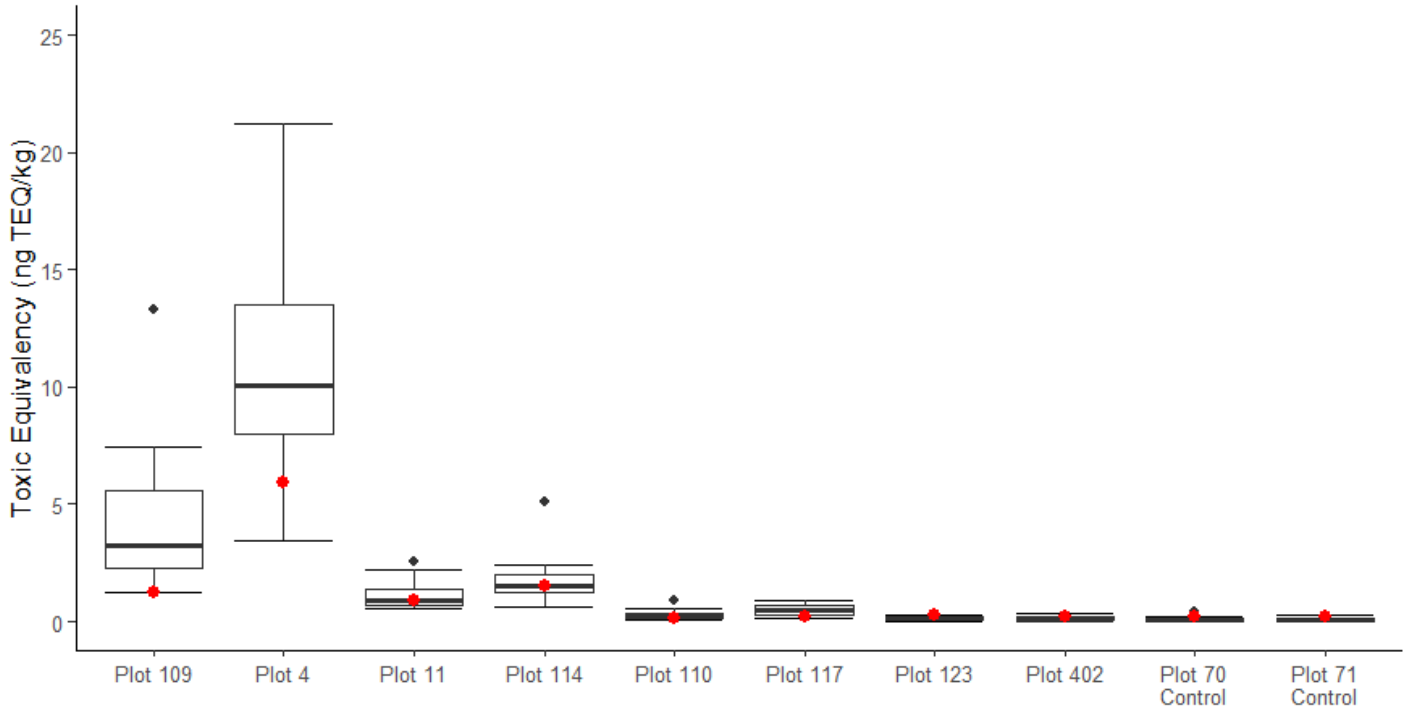
Figure **E.28**

PCB TEQ in Moss



PCB TEQ in Labrador Tea



Median

Interquartile Range (IQR) (25th to 75th percentile)

1.5×IQR boundary or most extreme data value

Outlier (Data point greater than 1.5×IQR)

2024 Sample

Alberta Tier 1 - Natural Area (250 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

PCB TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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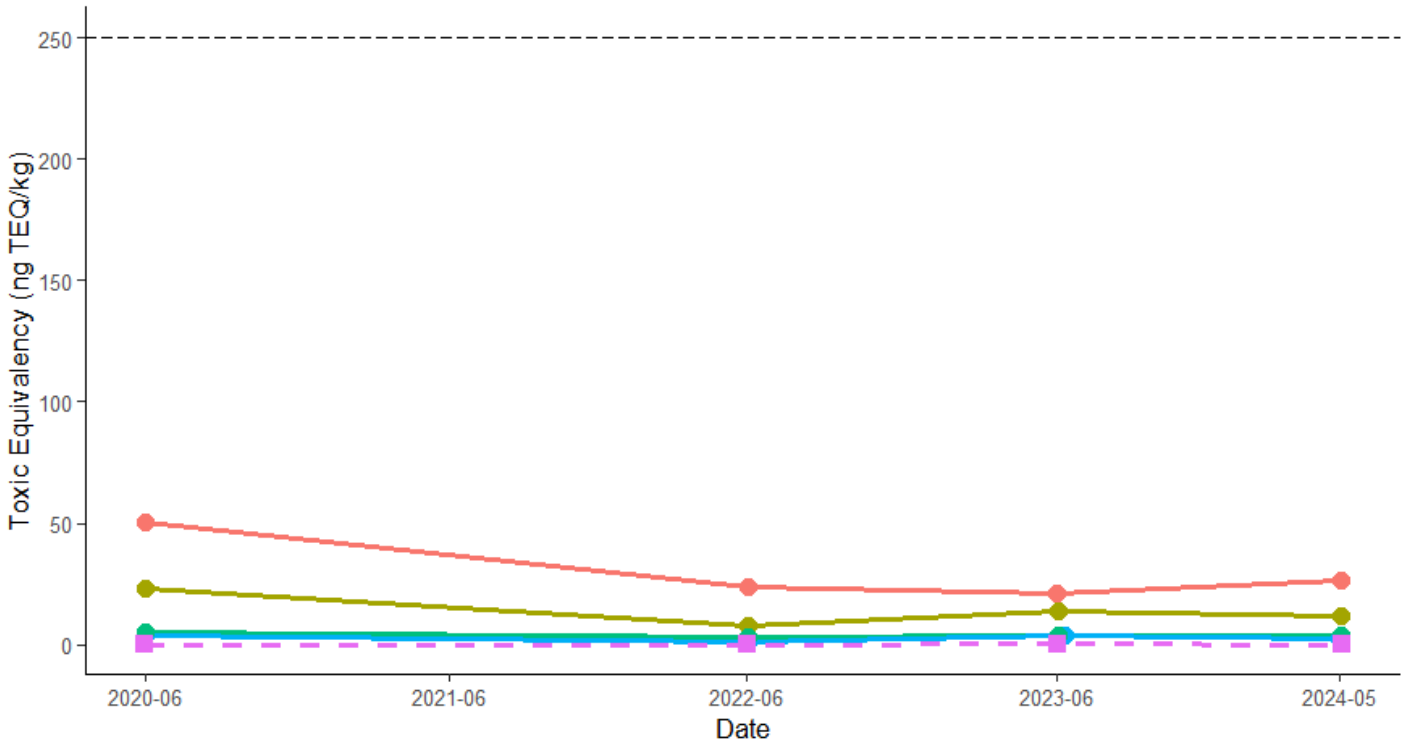
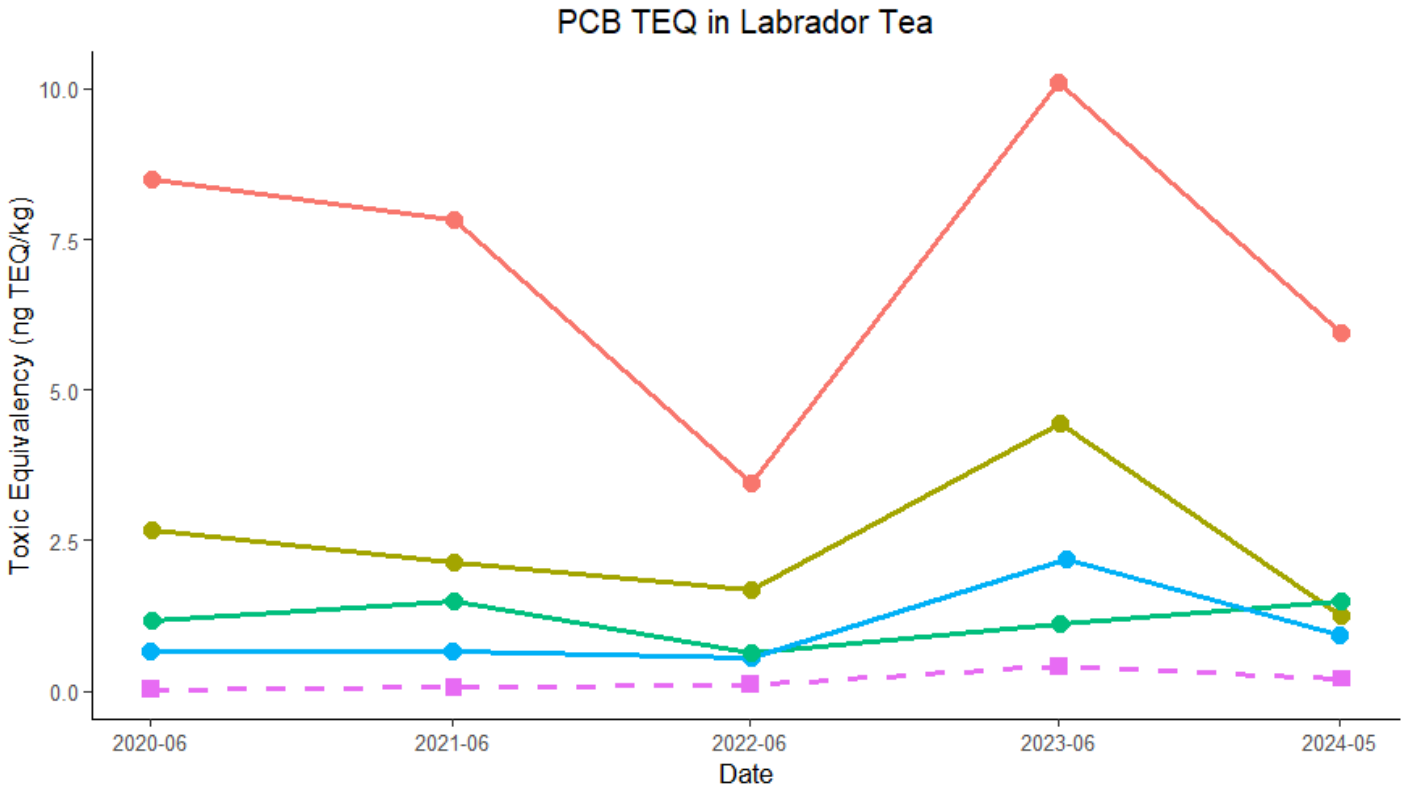
Figure **E.29**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 70 - Control
Alberta Tier 1 - Natural Area (250 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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Figure E.30

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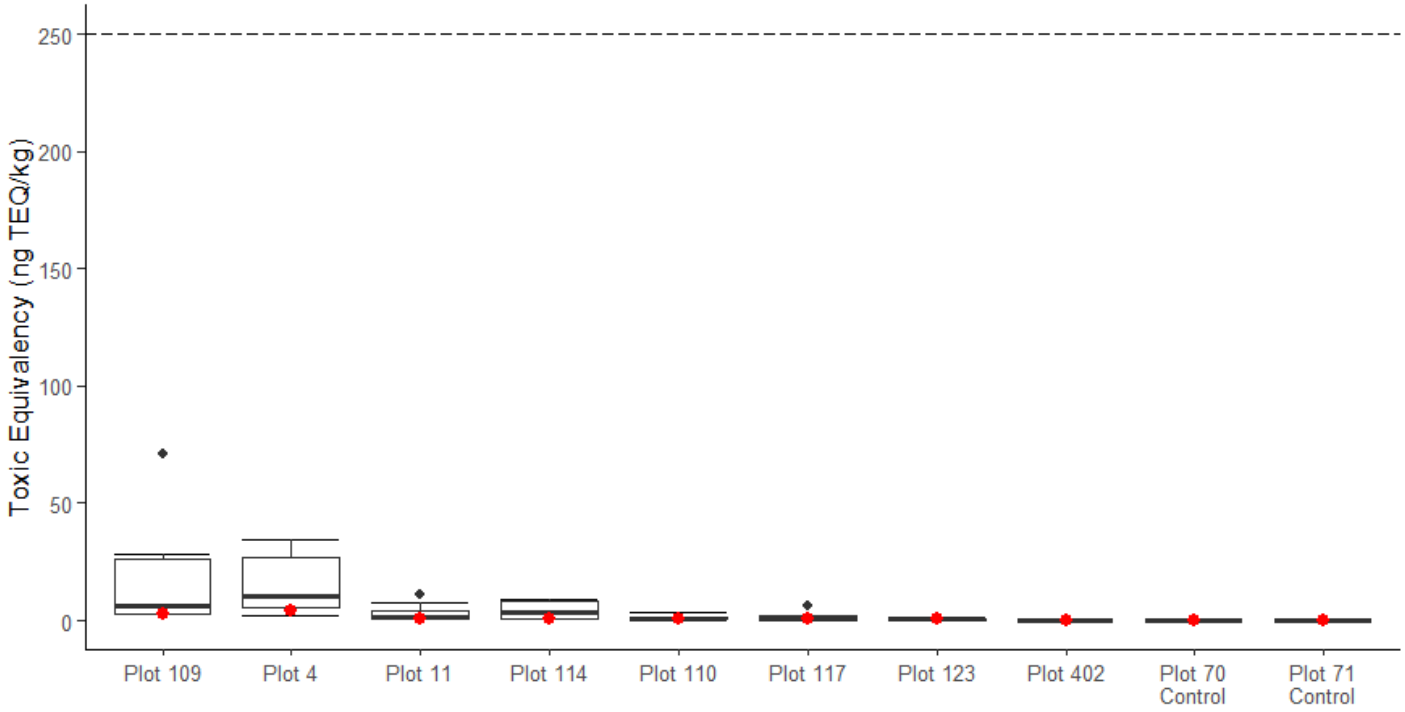
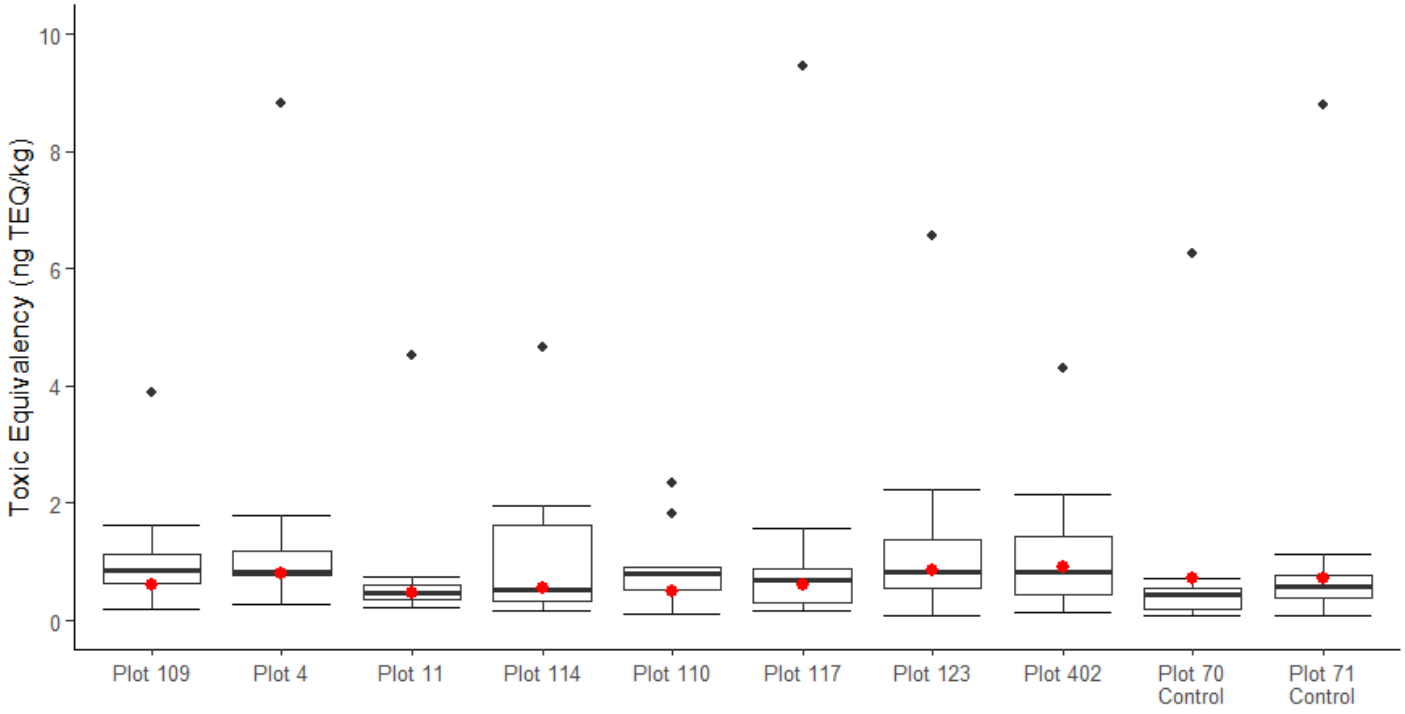
PCDD/PCDF TEQ in Moss



PCDD/PCDF TEQ in Labrador Tea



Median

Interquartile Range (IQR) (25th to 75th percentile)

1.5×IQR boundary or most extreme data value

Outlier (Data point greater than 1.5×IQR)

2024 Sample

Alberta Tier 1 - Natural Area (250 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCDD/PCDF TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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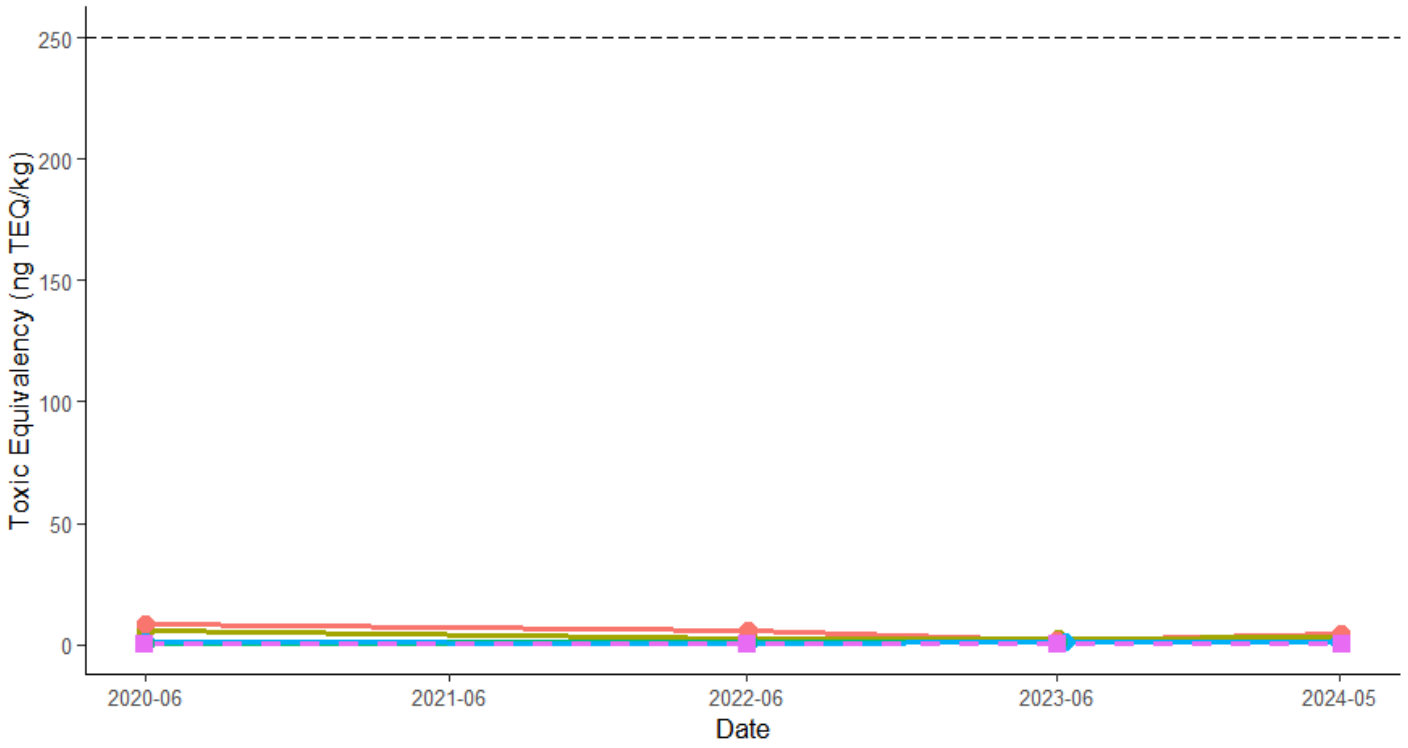
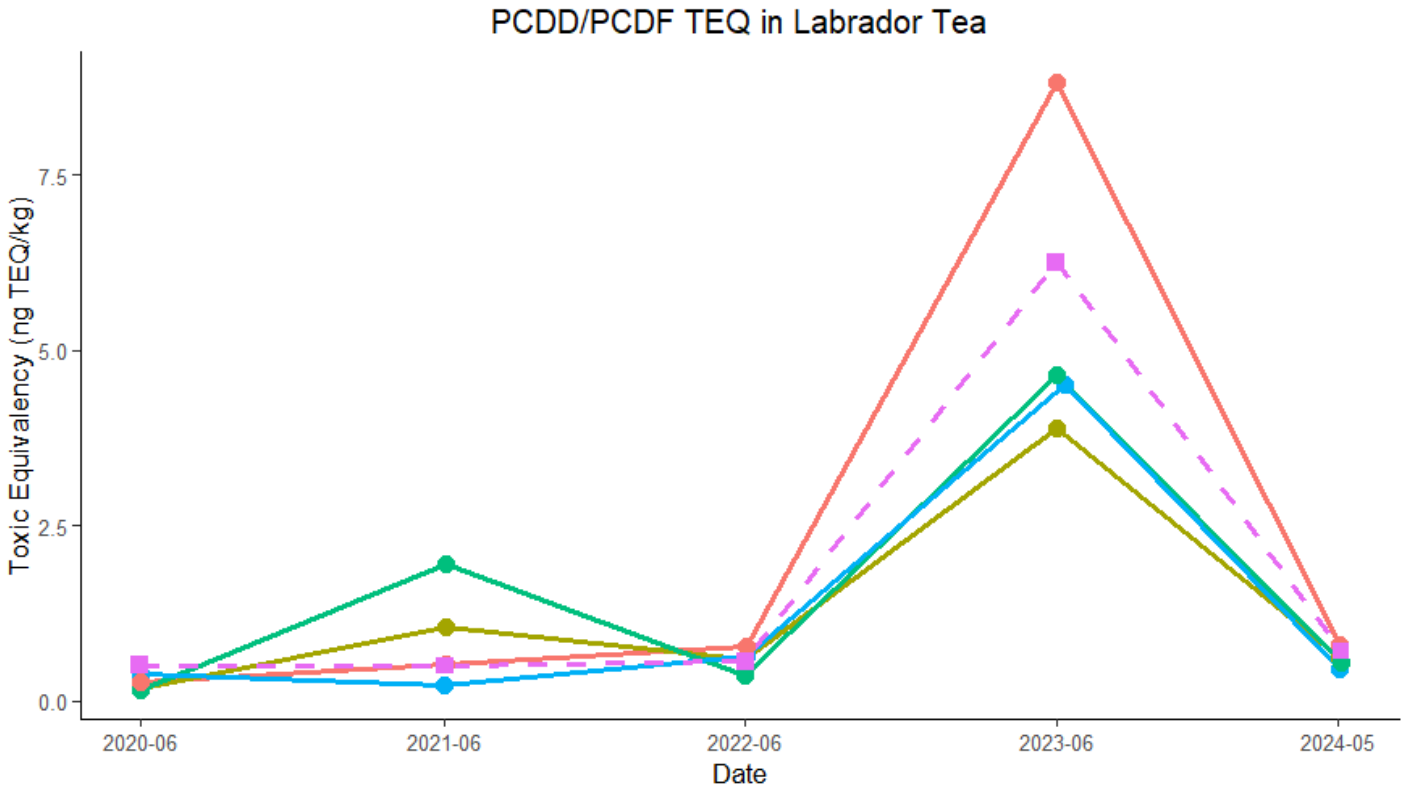
Figure **E.31**





Plot 4
Plot 109
Plot 114
Plot 11
Plot 70 - Control
Alberta Tier 1 - Natural Area (250 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCDD/PCDF TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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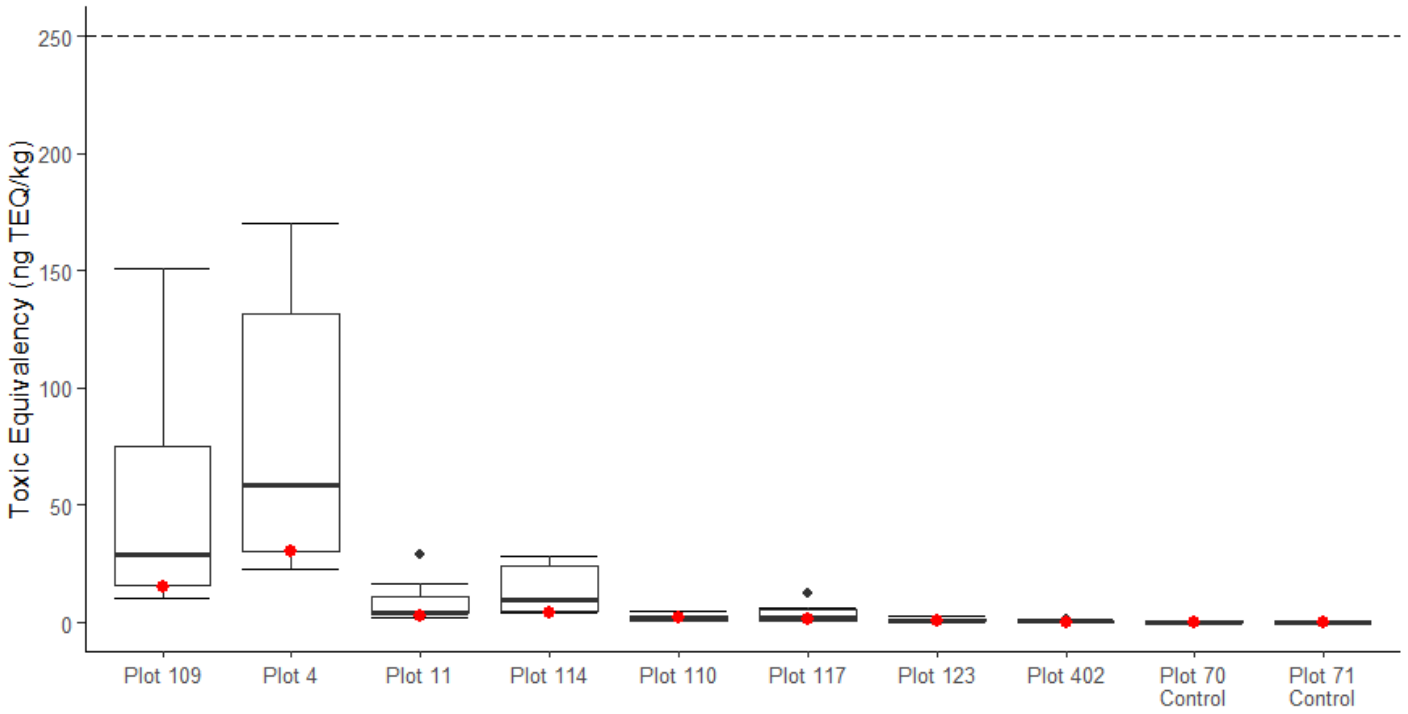
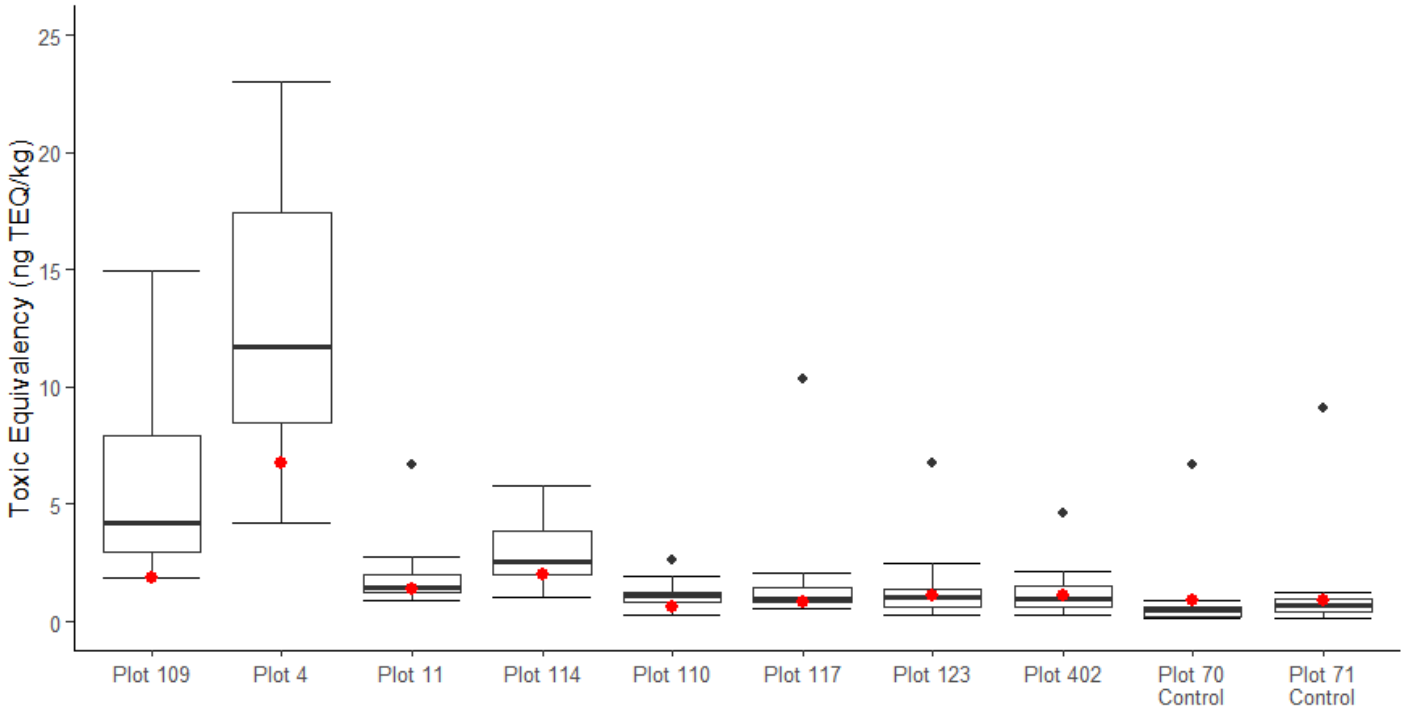
Figure **E.32**

Total TEQ in Moss



Total TEQ in Labrador Tea



- Median
- Interquartile Range (IQR) (25th to 75th percentile)
- 1.5×IQR boundary or most extreme data value
- Outlier (Data point greater than 1.5×IQR)
- 2024 Sample
- Alberta Tier 1 - Natural Area (250 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Total TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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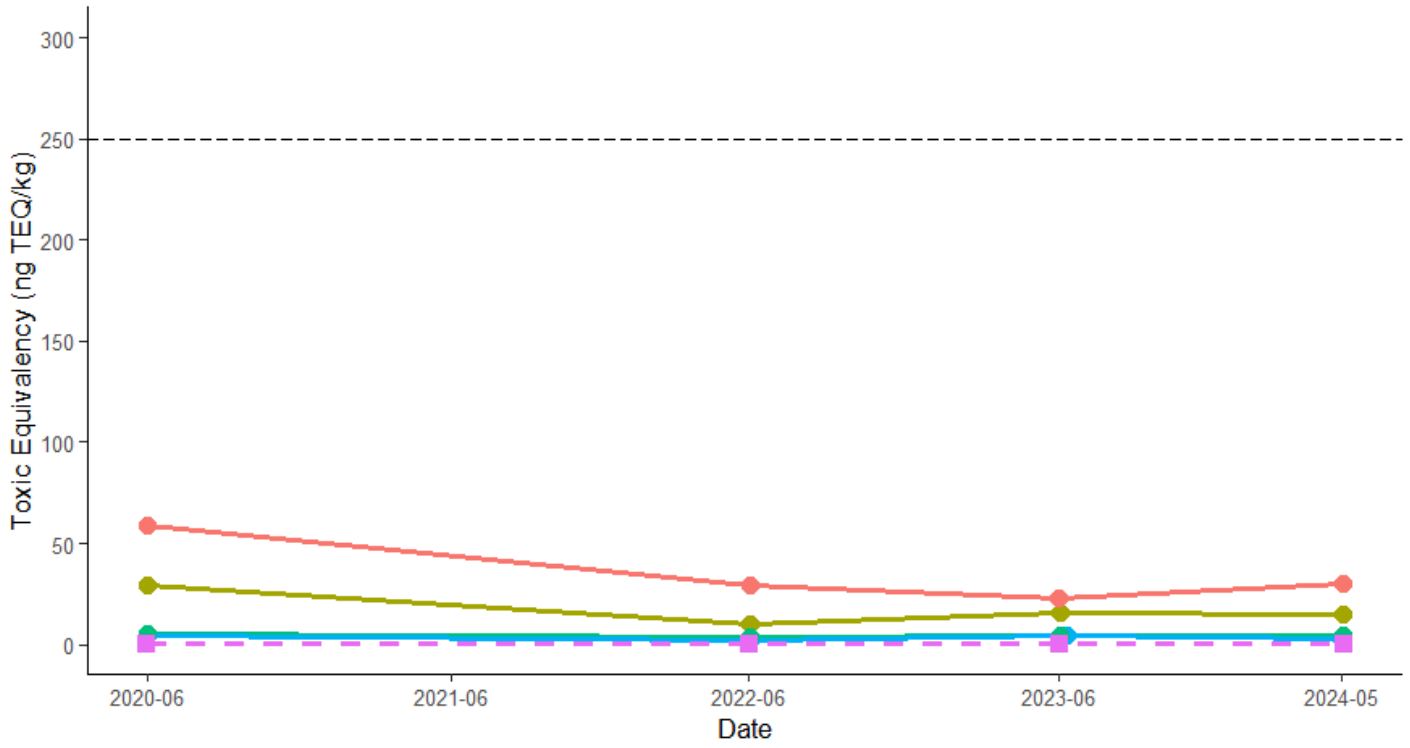
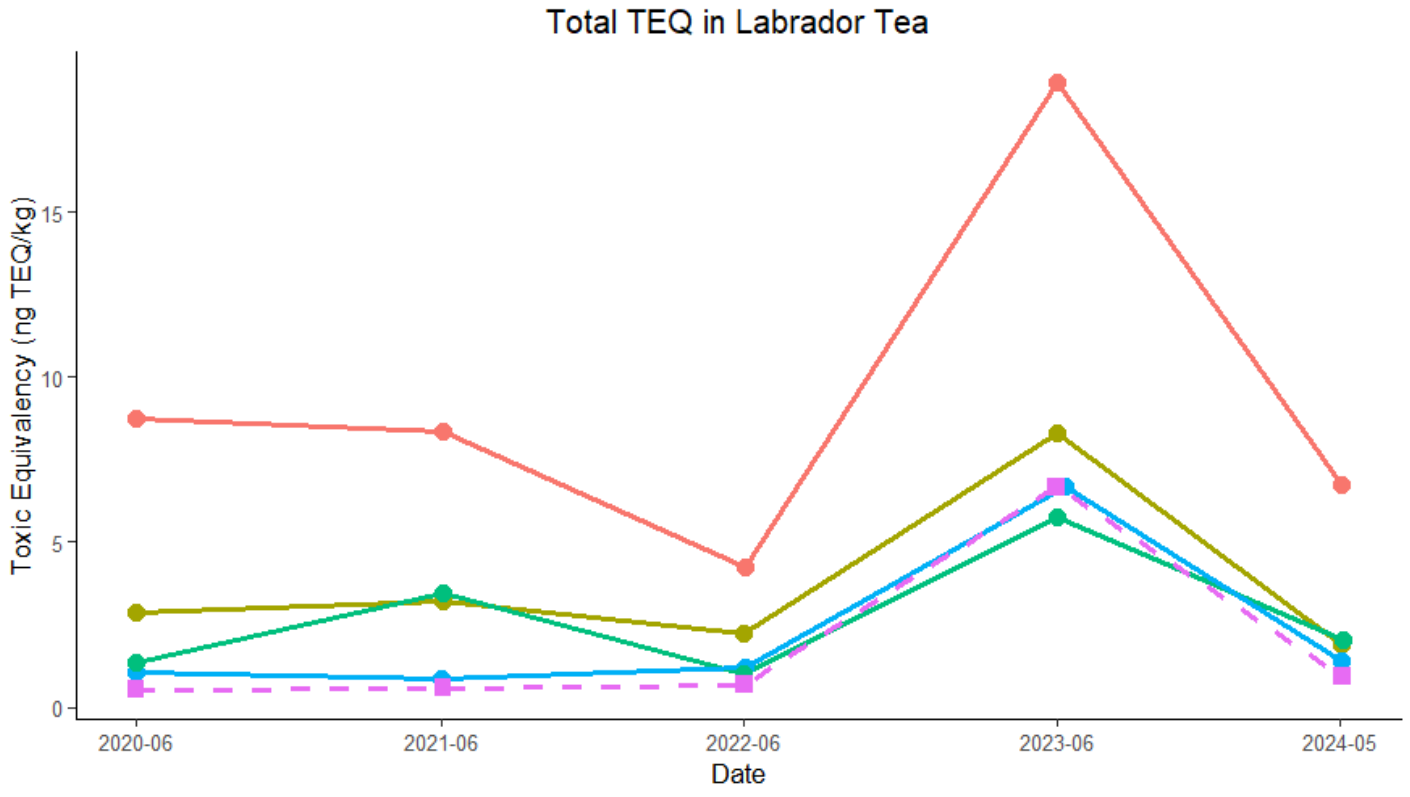
Figure E.33





Plot 4
Plot 109
Plot 114
Plot 11
Plot 70 - Control
Alberta Tier 1 - Natural Area (250 ng TEQ/kg)

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Total TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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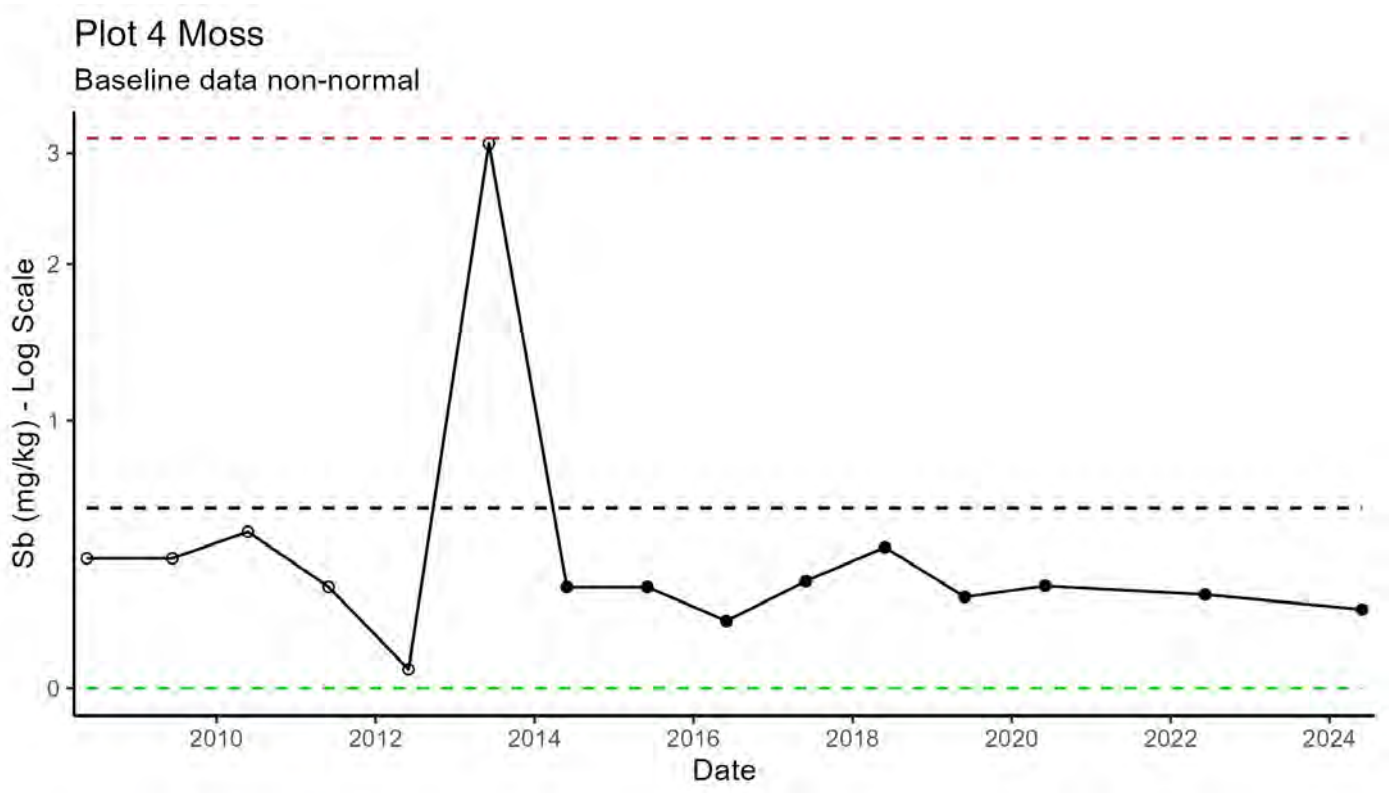
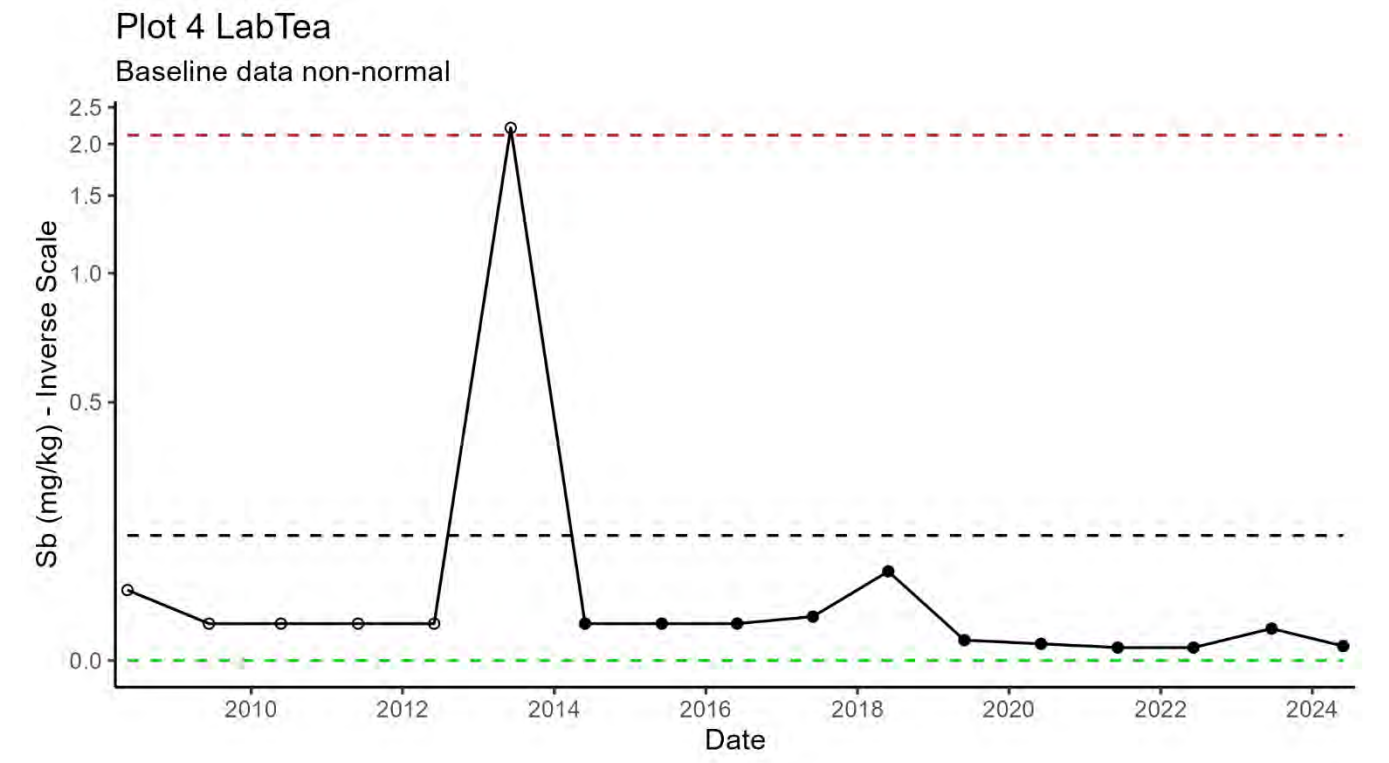
Figure **E.34**

APPENDIX F
Control Charts





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Antimony

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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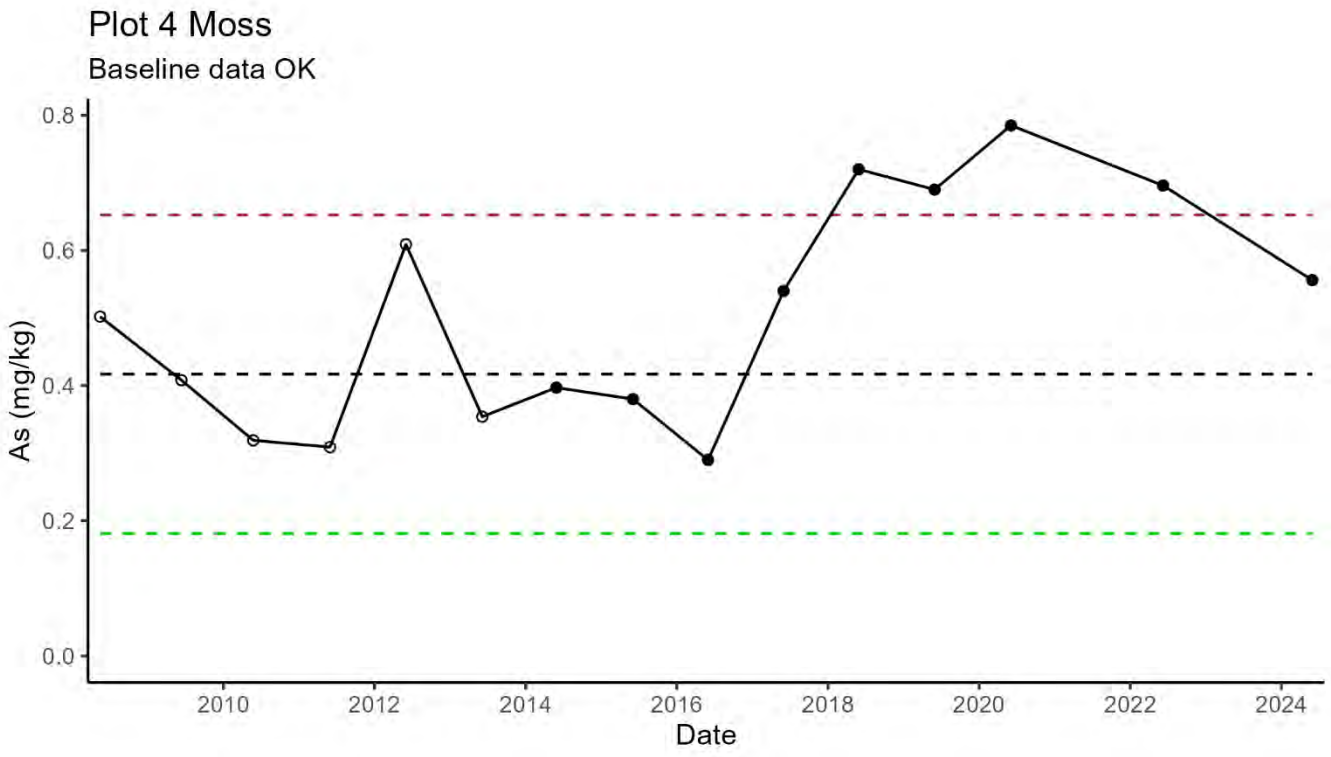
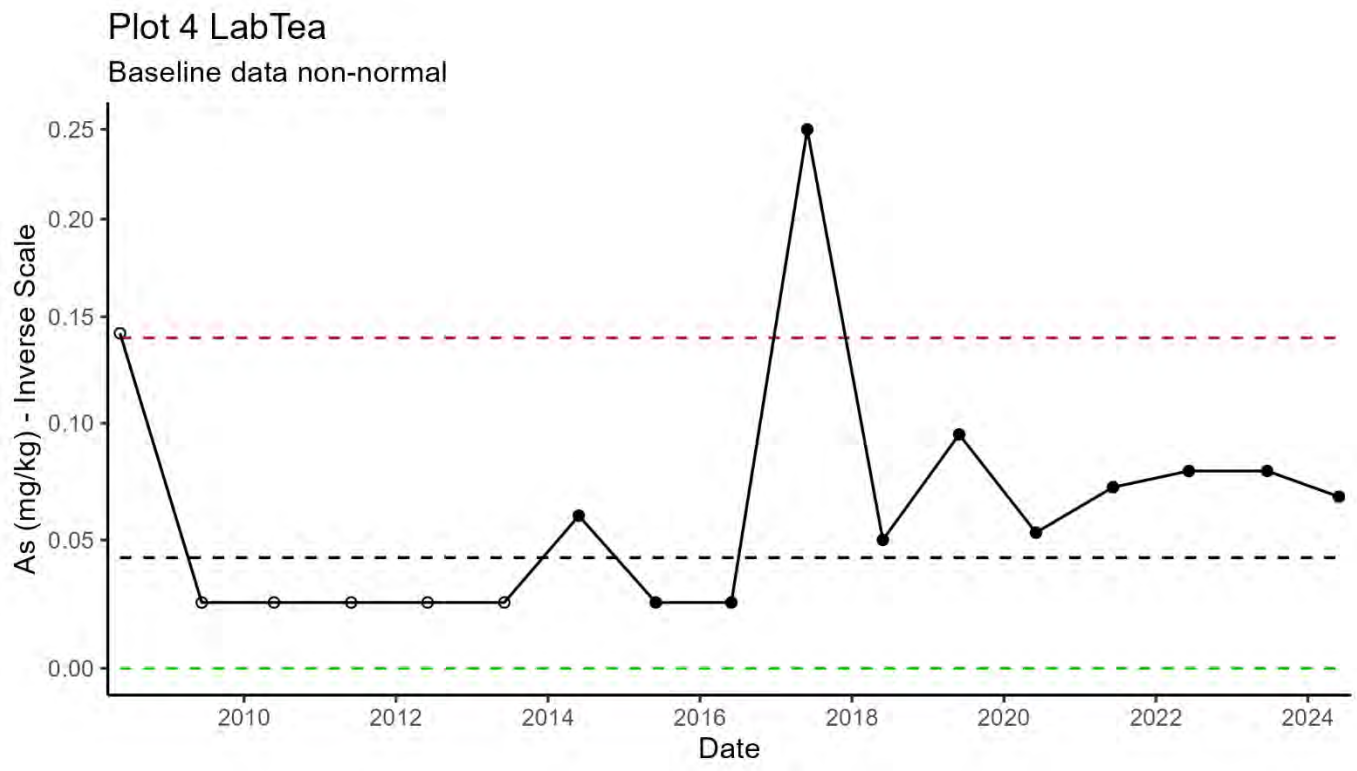
Figure **F.1**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Arsenic

Date:	Project:	Technical:	Reviewer:	Drawn:
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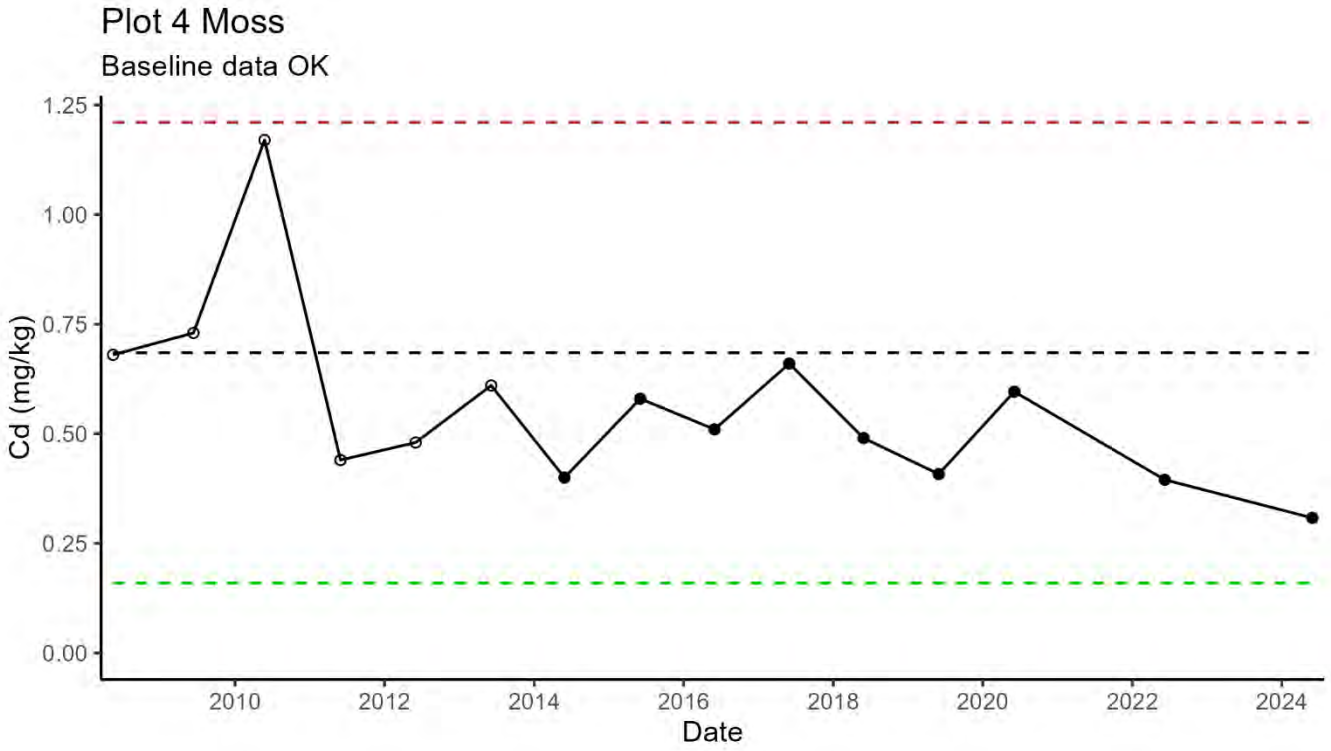
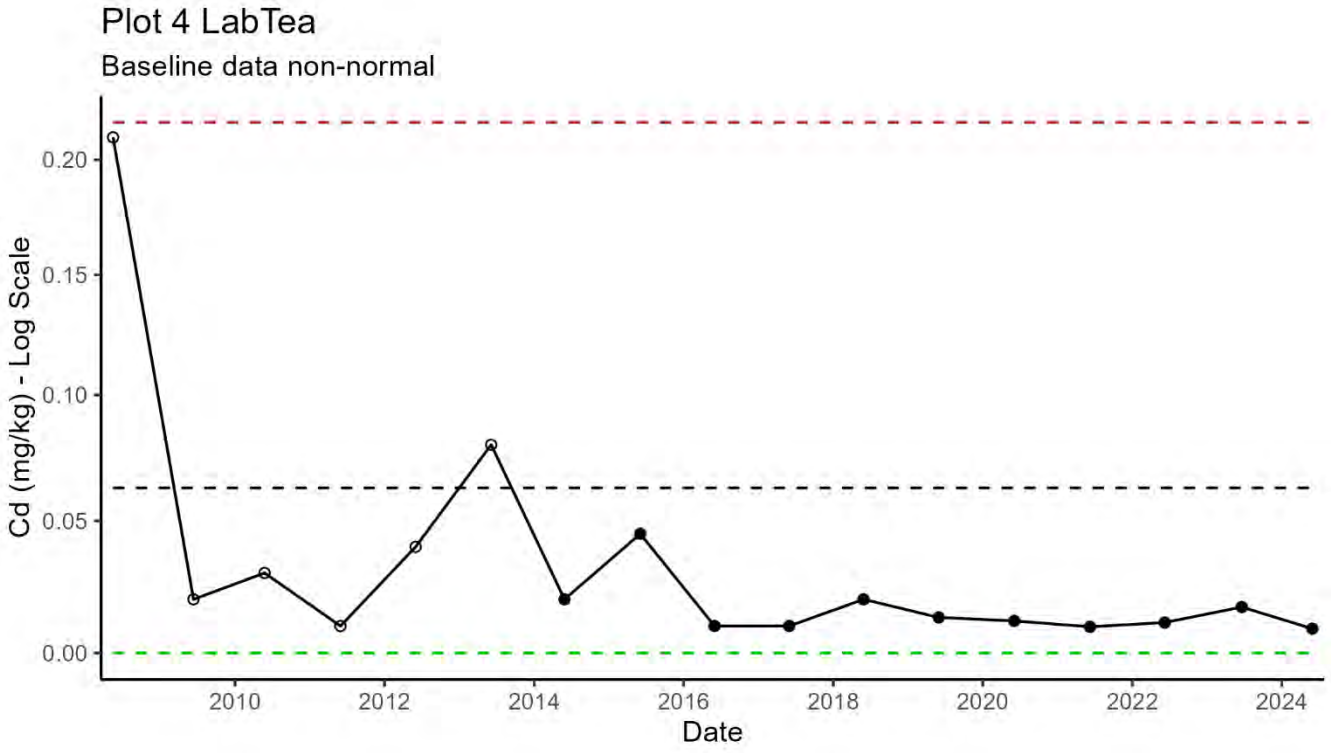
Figure **F.2**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Cadmium

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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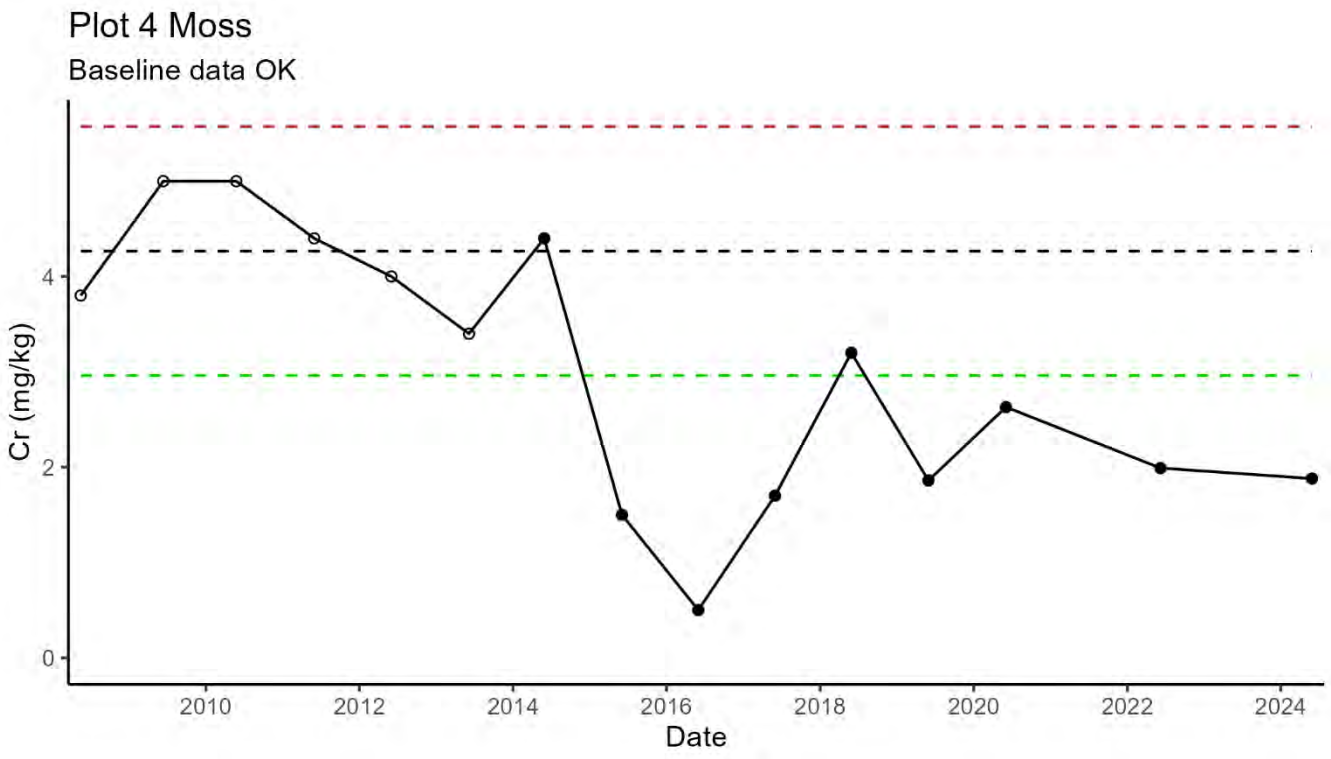
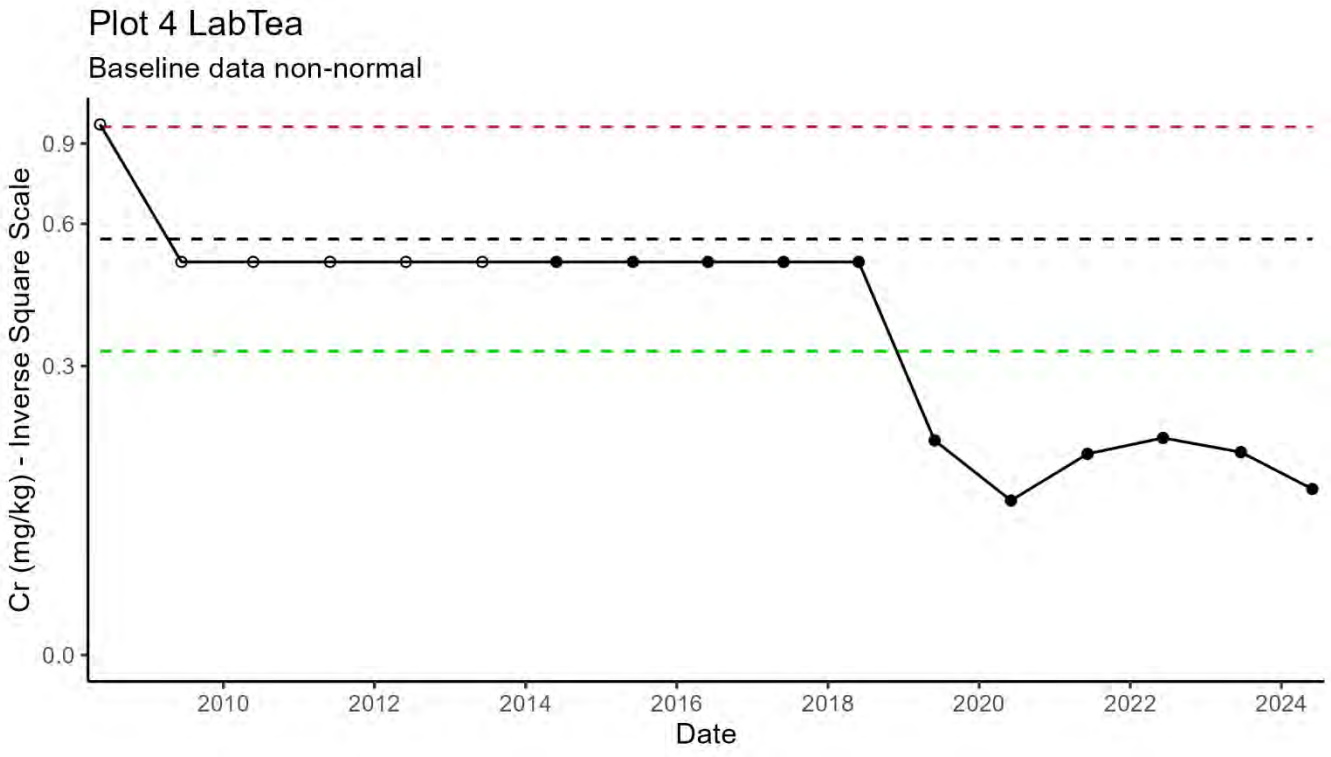
Figure **F.3**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Chromium

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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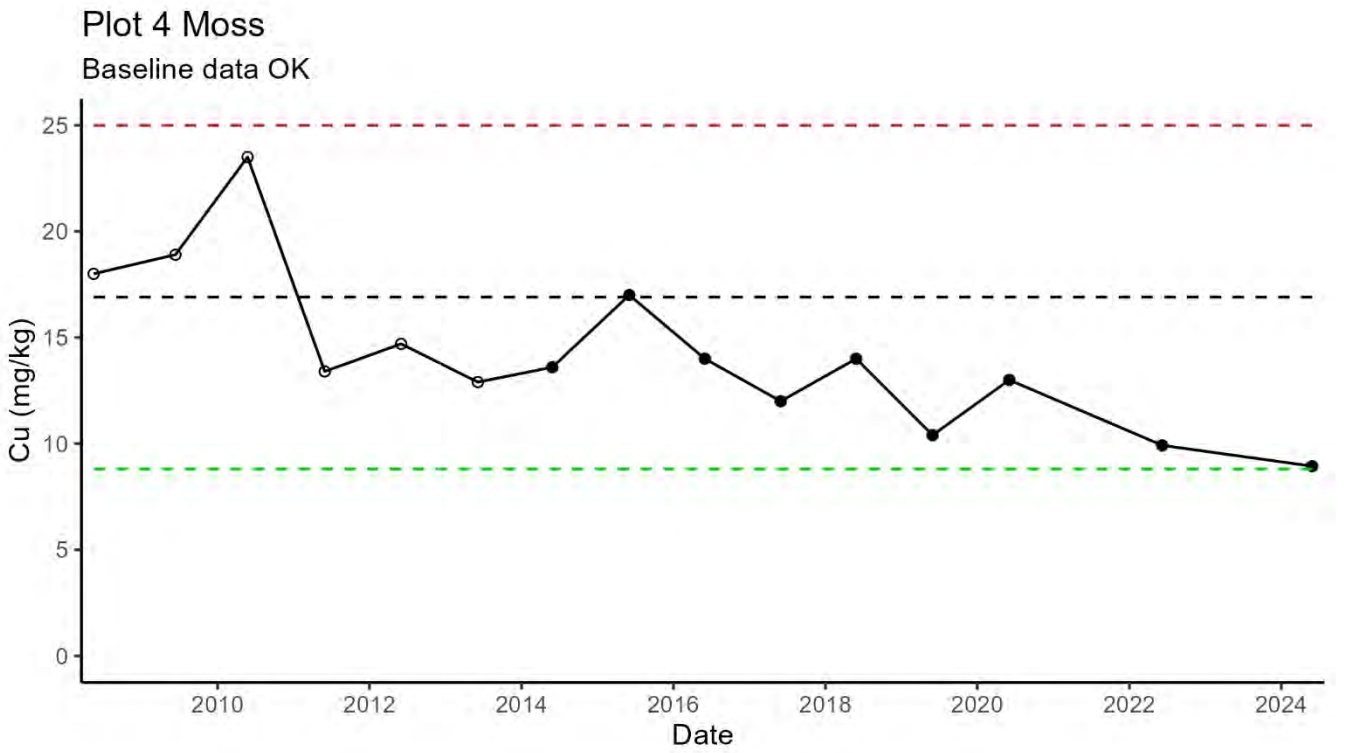
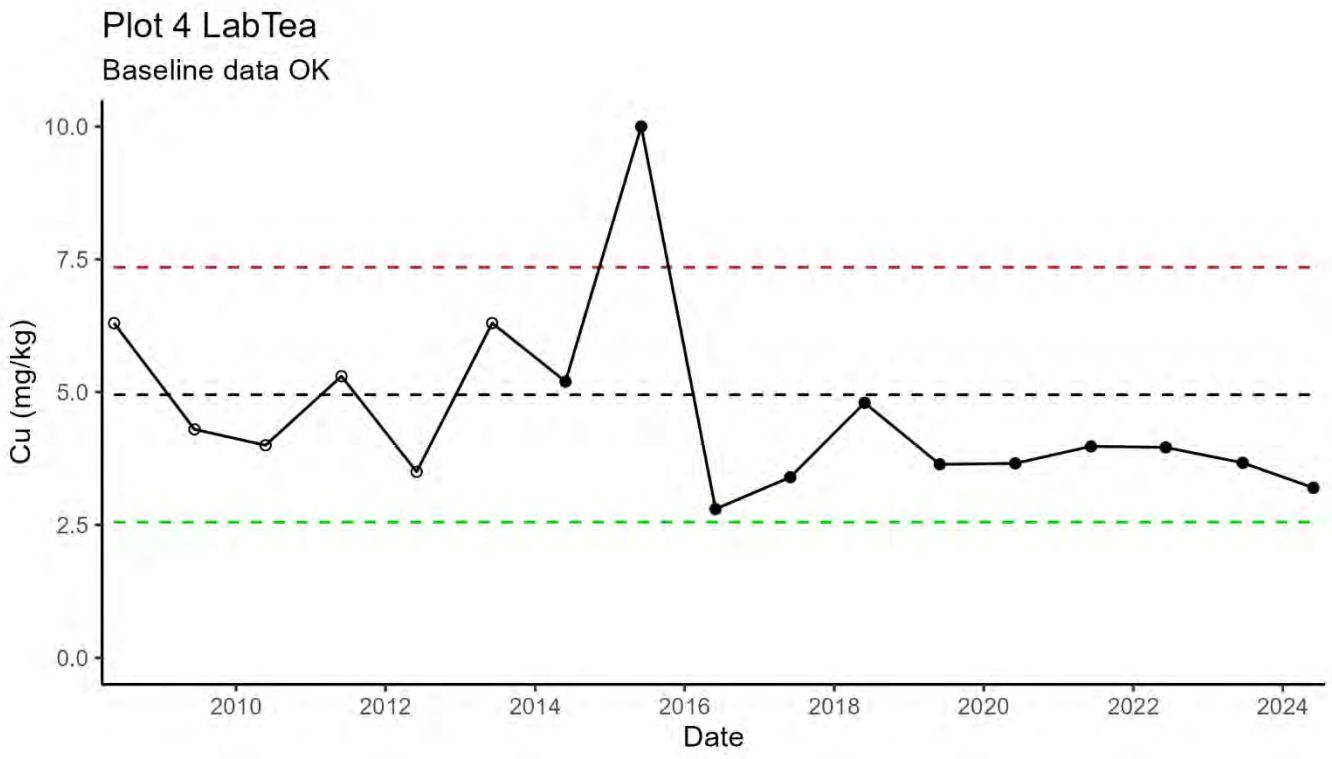
Figure F.4





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Copper

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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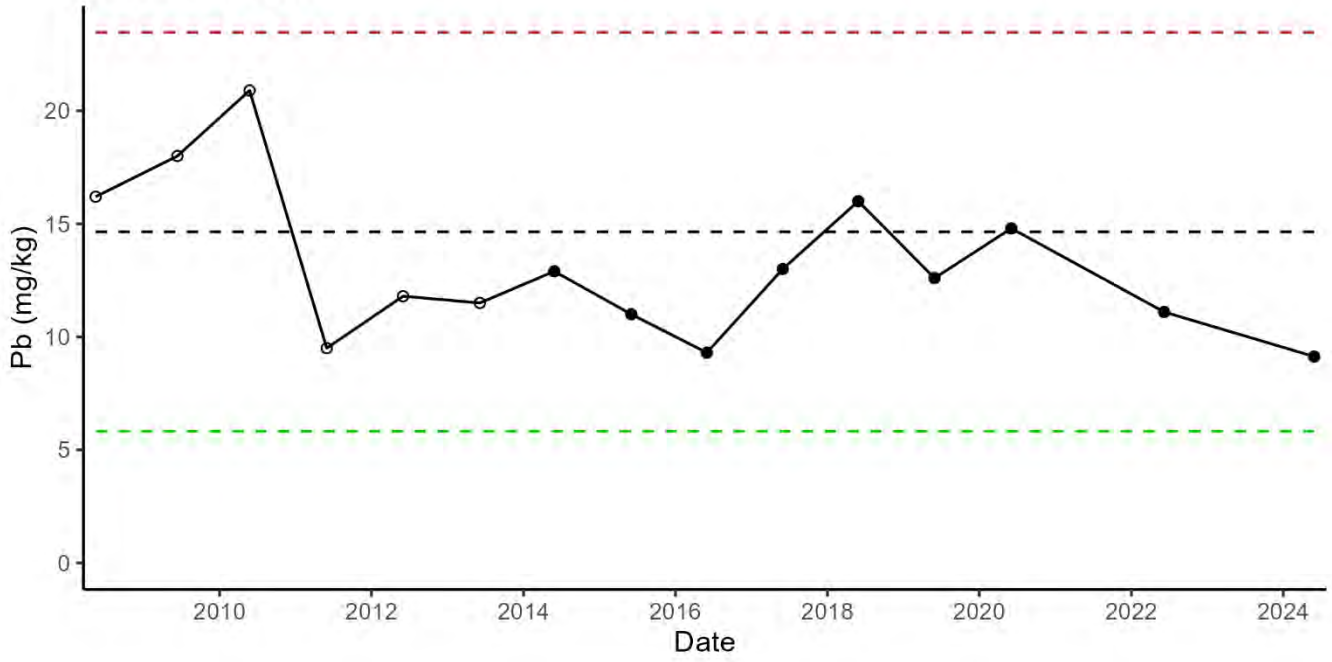
Figure **F.5**

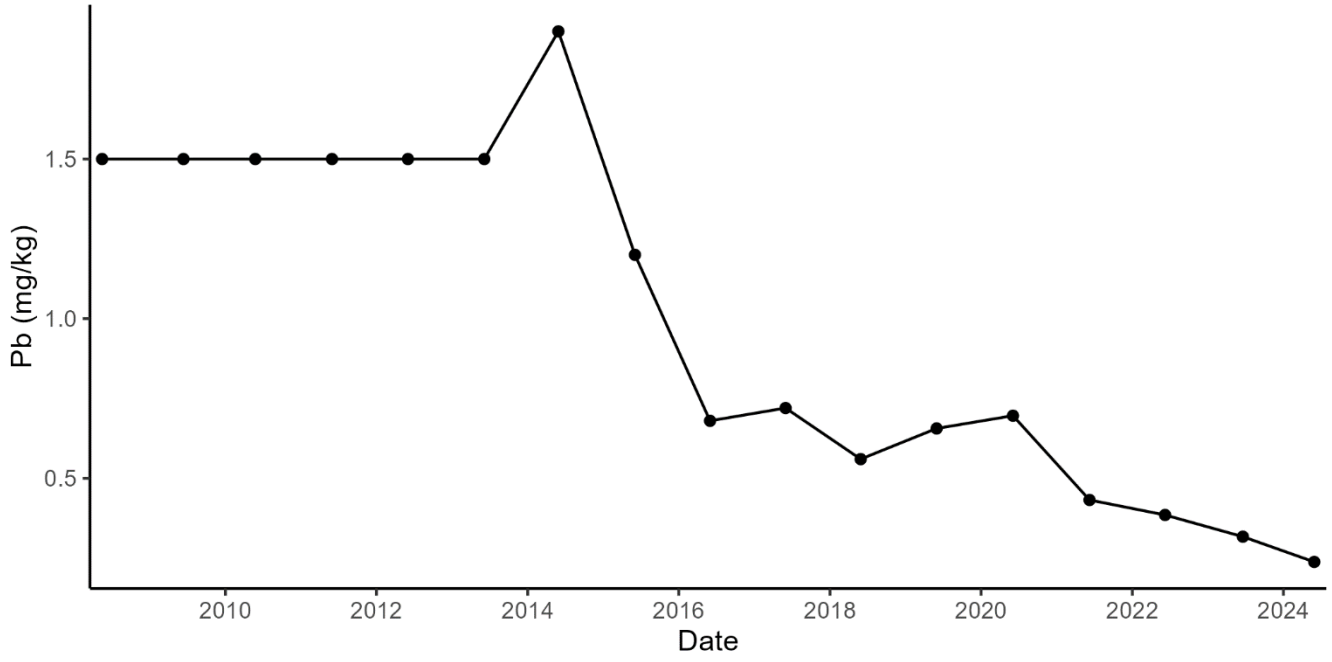
Plot 4 Moss

Baseline data OK



Plot 4 LabTea

Baseline statistics were not estimated



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Lead

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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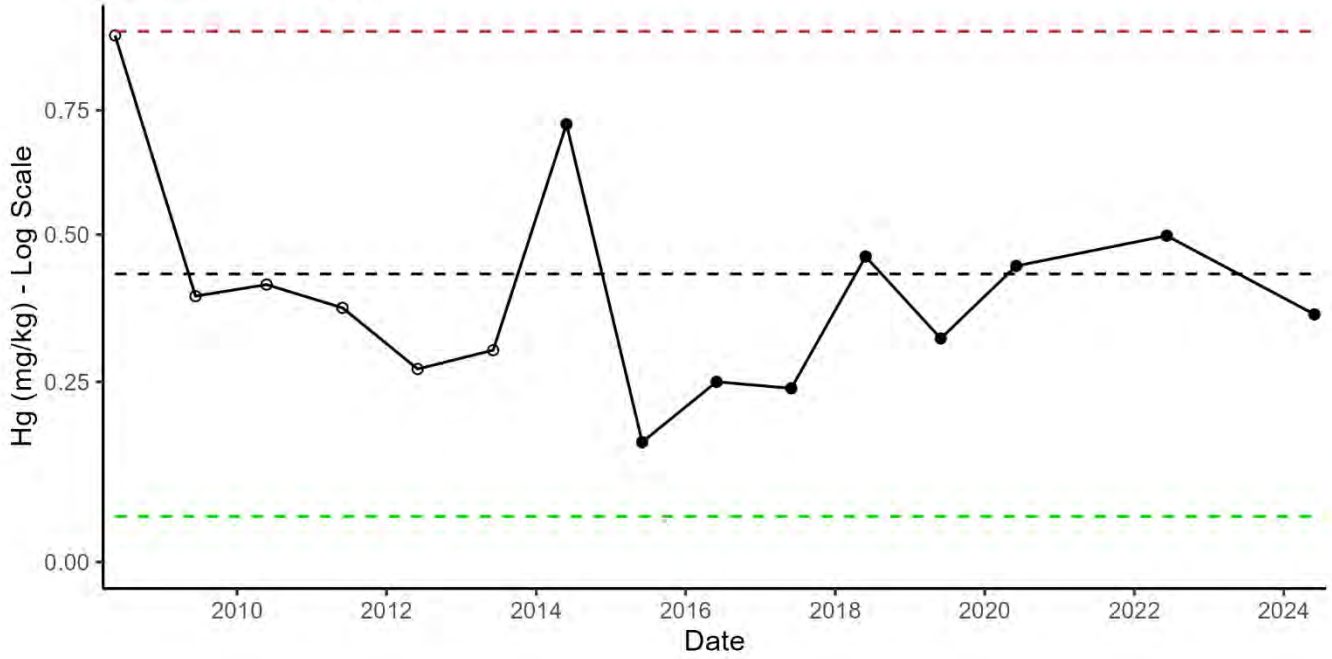
Figure **F.6**

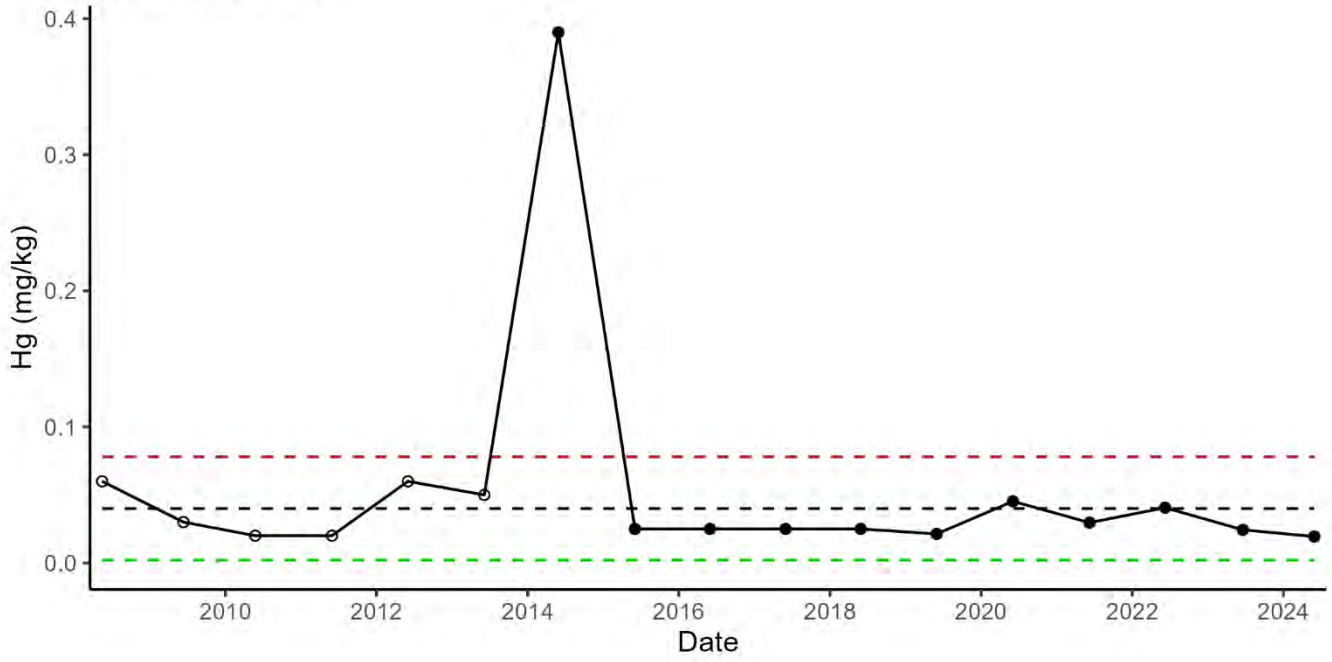
Plot 4 Moss

Baseline data non-normal



Plot 4 LabTea

Baseline data OK



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Mercury

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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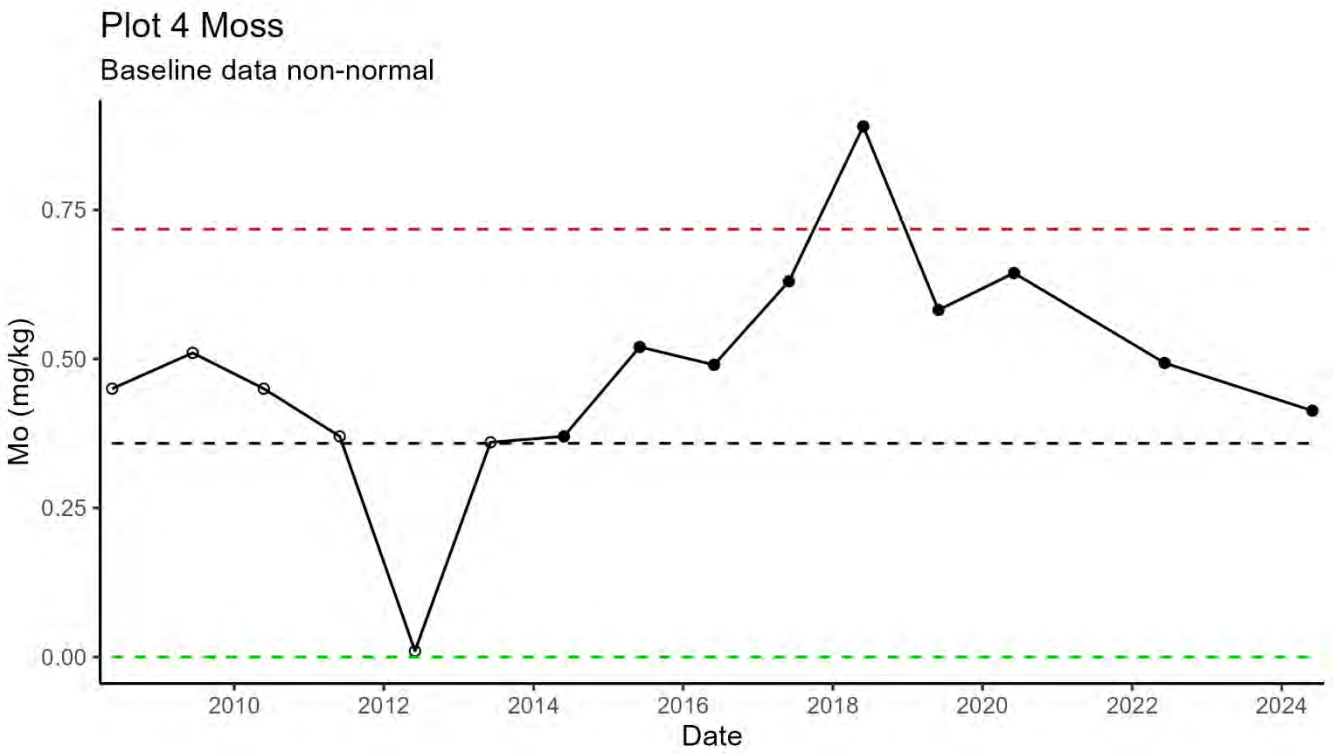
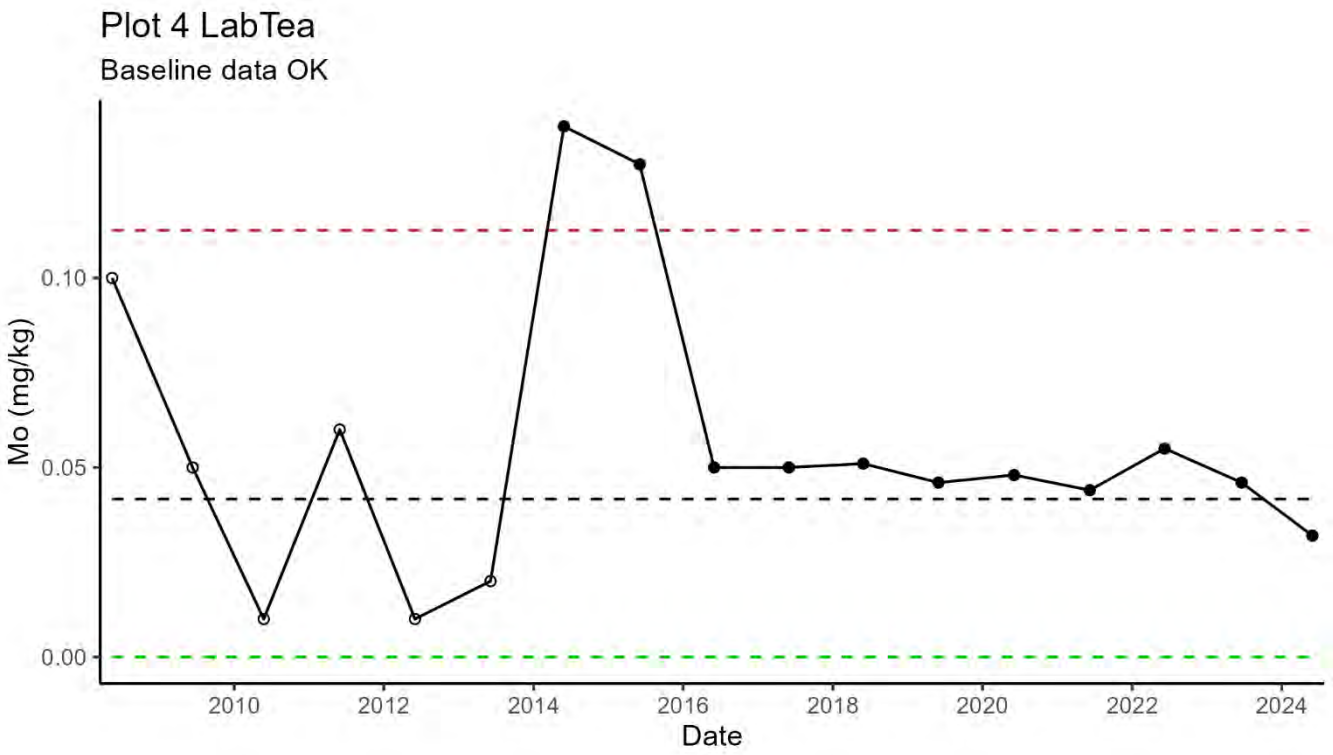
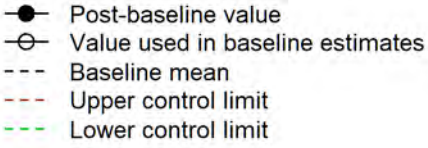
Figure F.7







MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Molybdenum

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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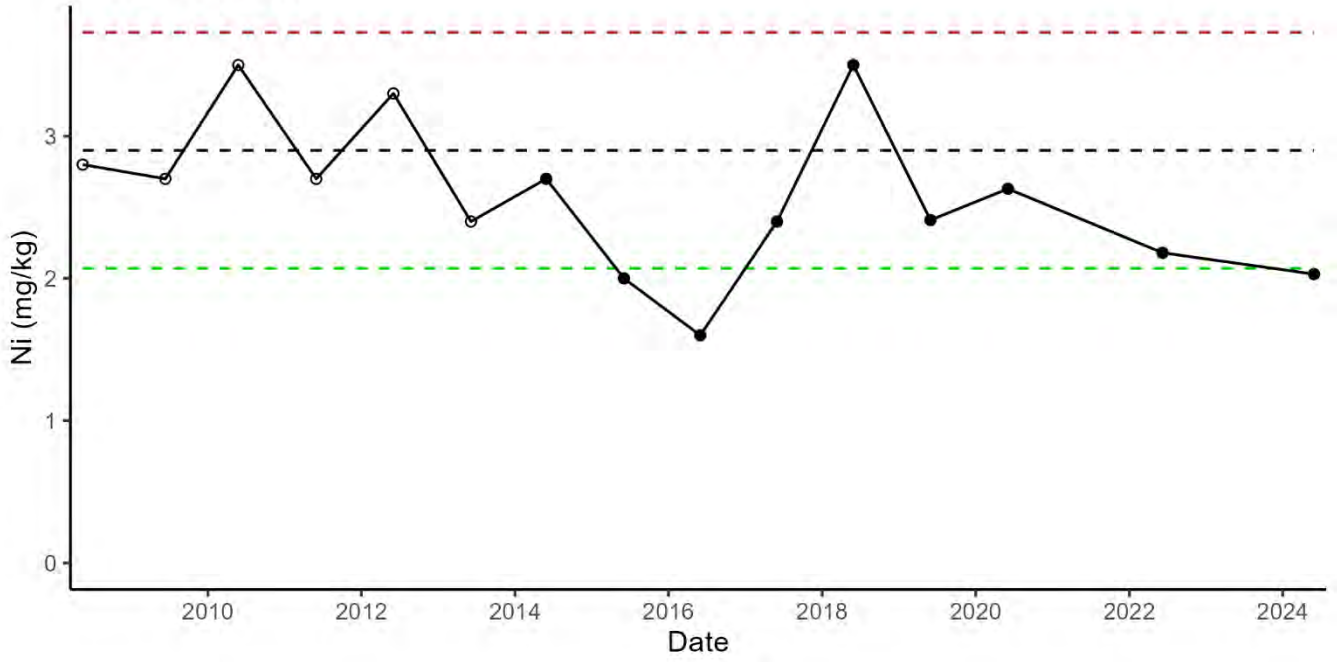
Figure F.8

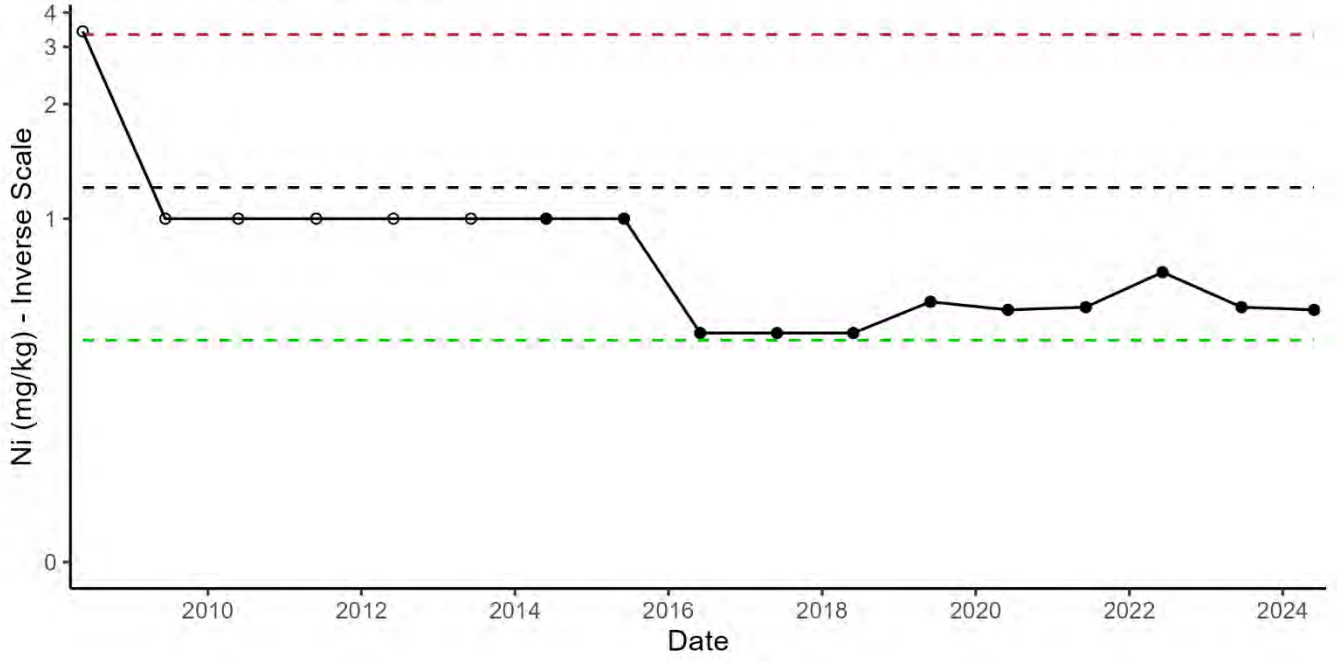
Plot 4 Moss

Baseline data OK



Plot 4 LabTea

Baseline data non-normal



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Nickel

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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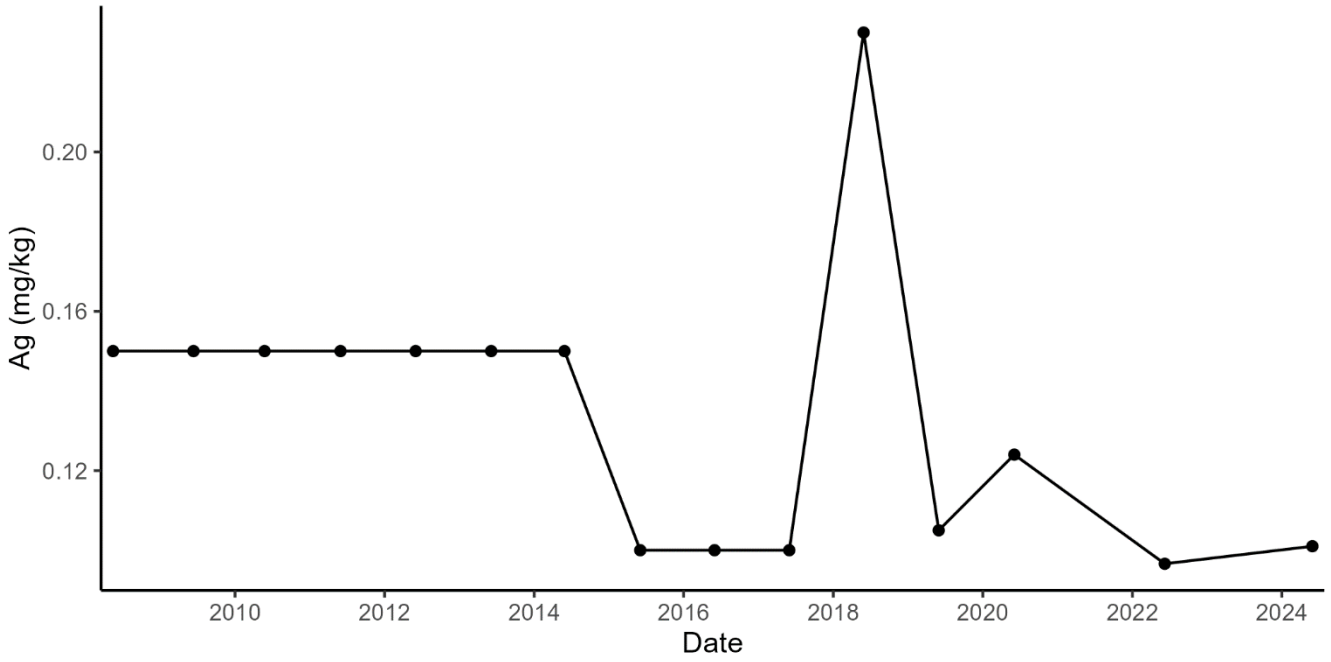
Figure F.9

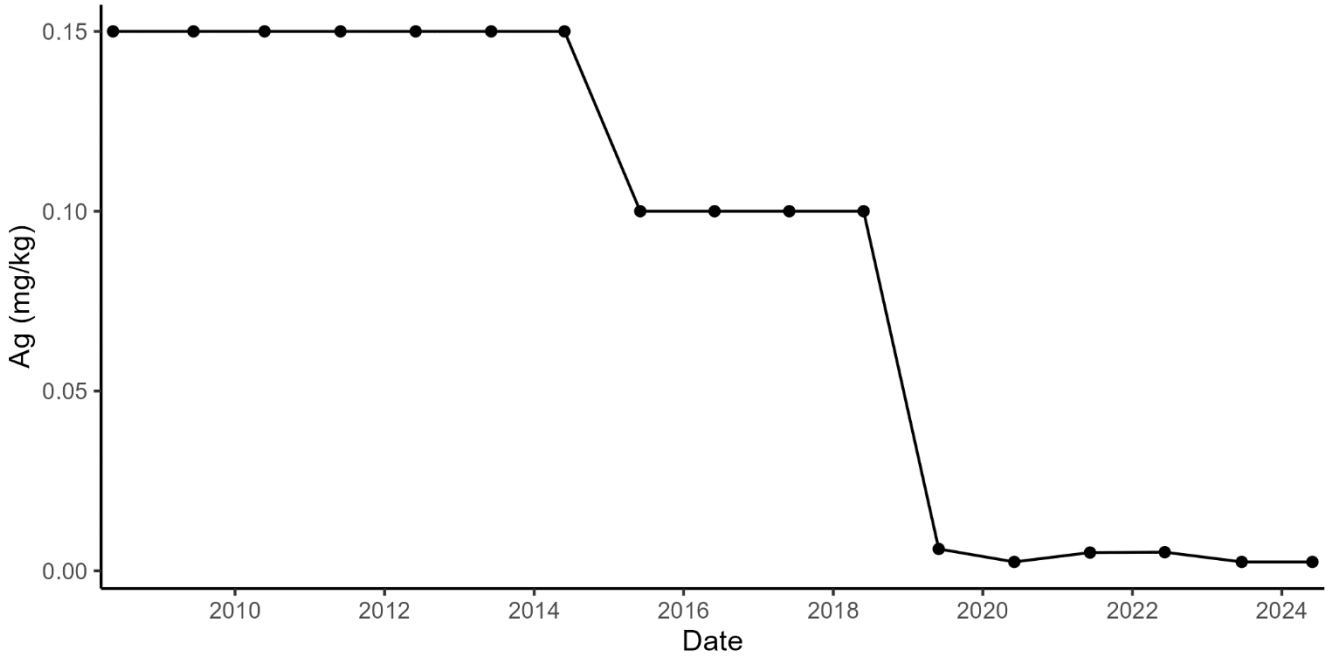
Plot 4 Moss

Baseline statistics were not estimated



Plot 4 LabTea

Baseline statistics were not estimated



Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Silver

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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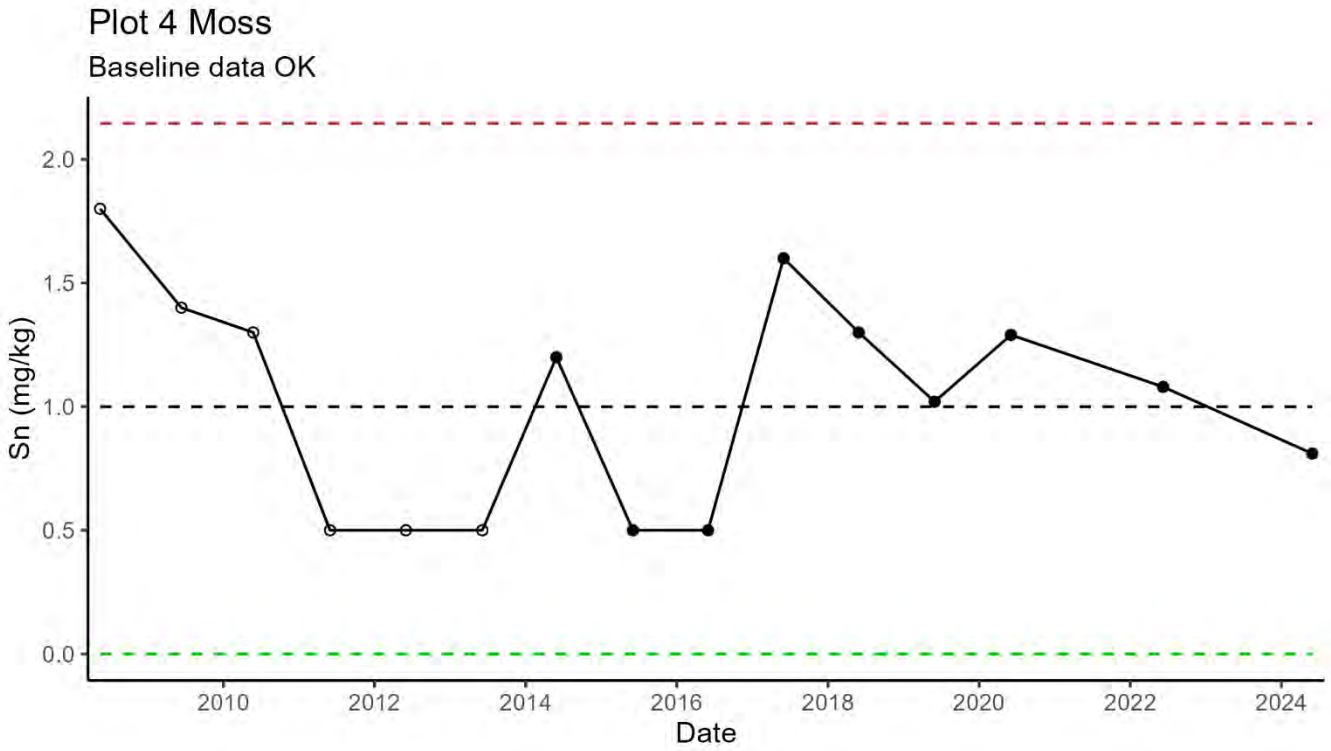
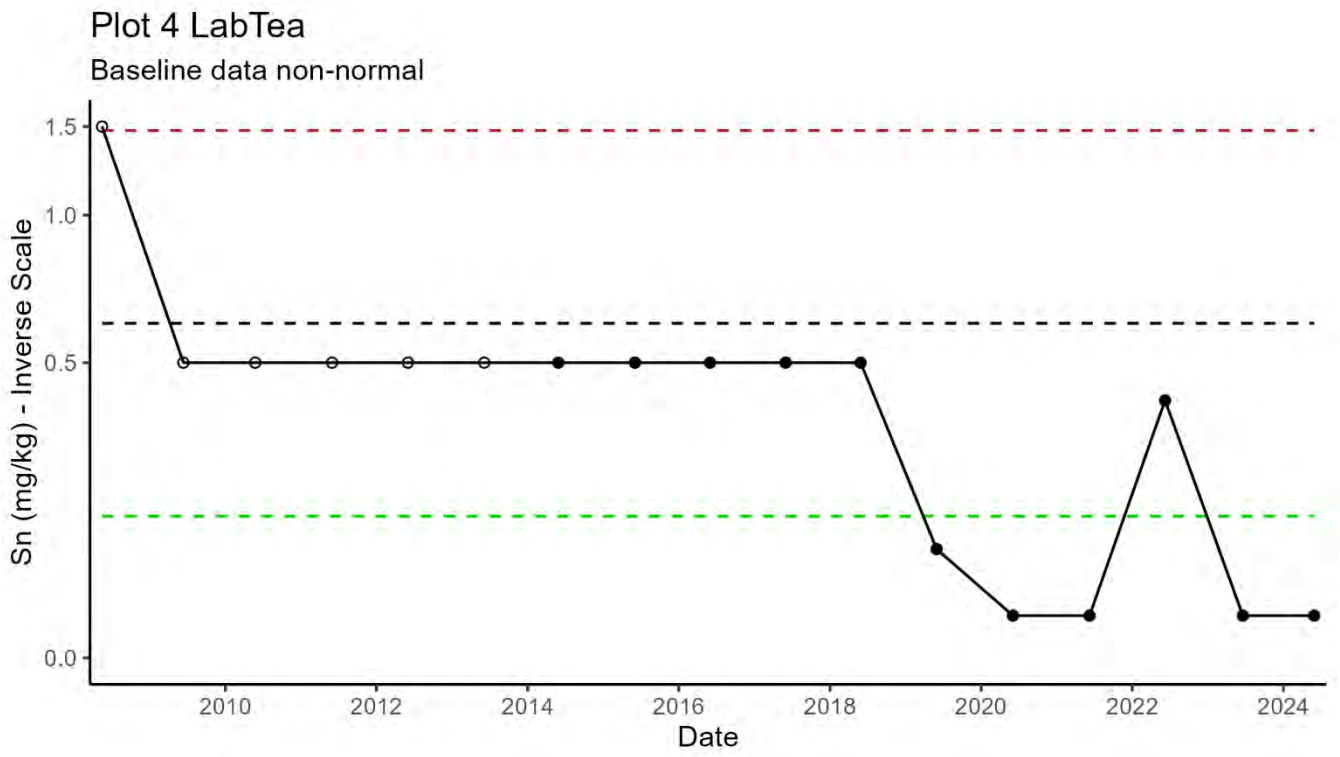
Figure **F.10**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Tin

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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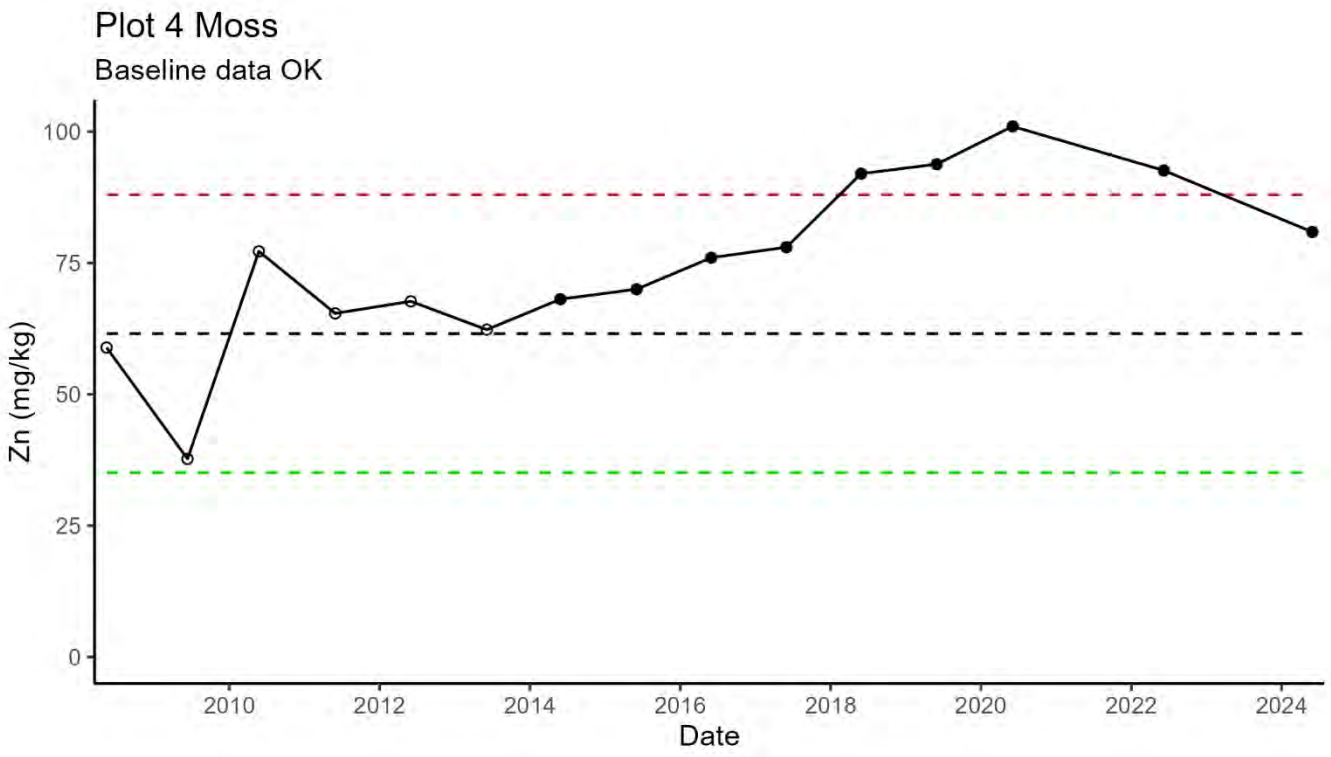
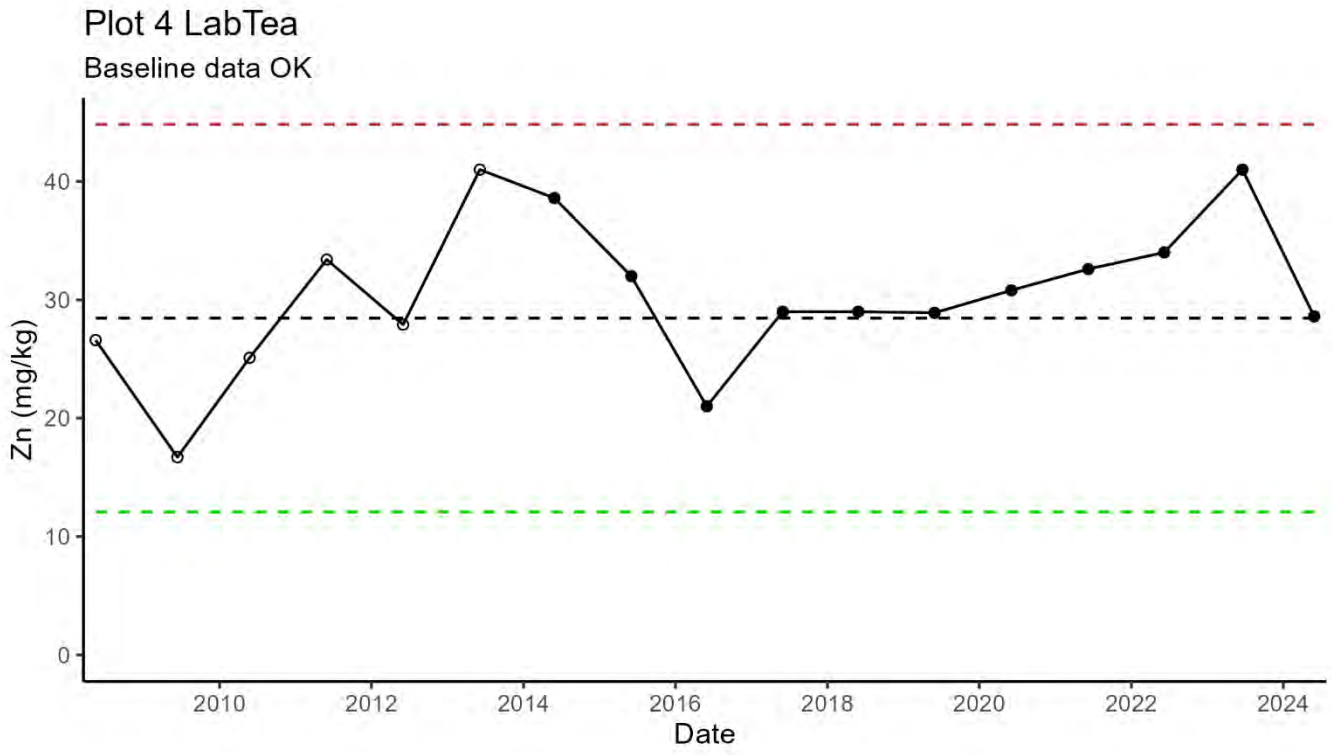
Figure **F.11**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Zinc

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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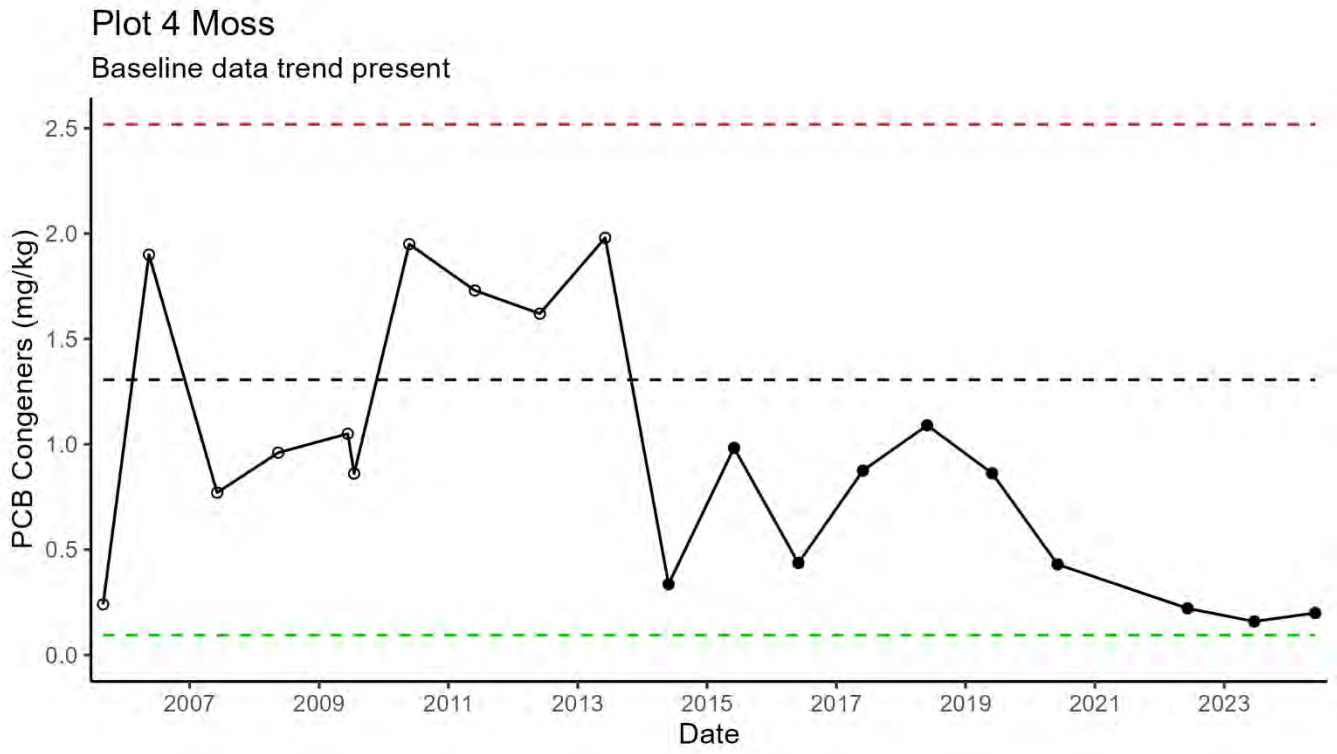
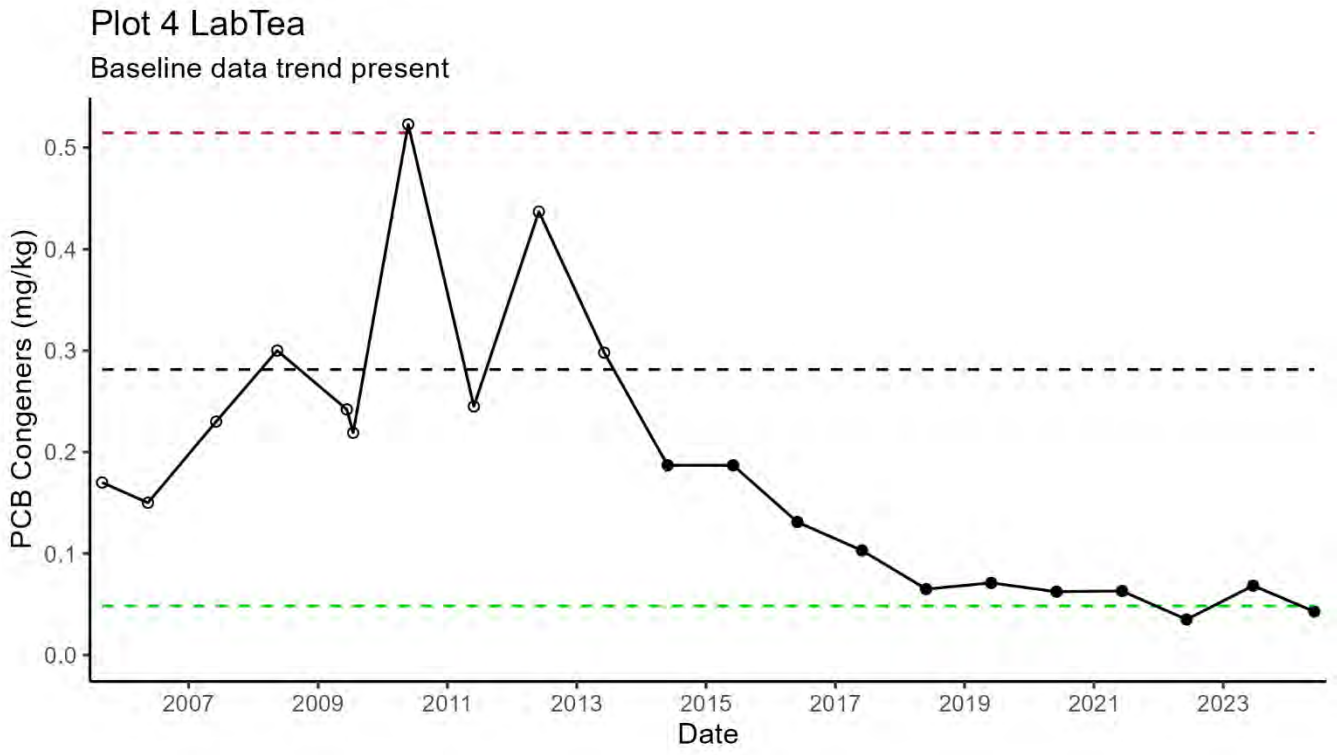
Figure **F.12**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB Congeners

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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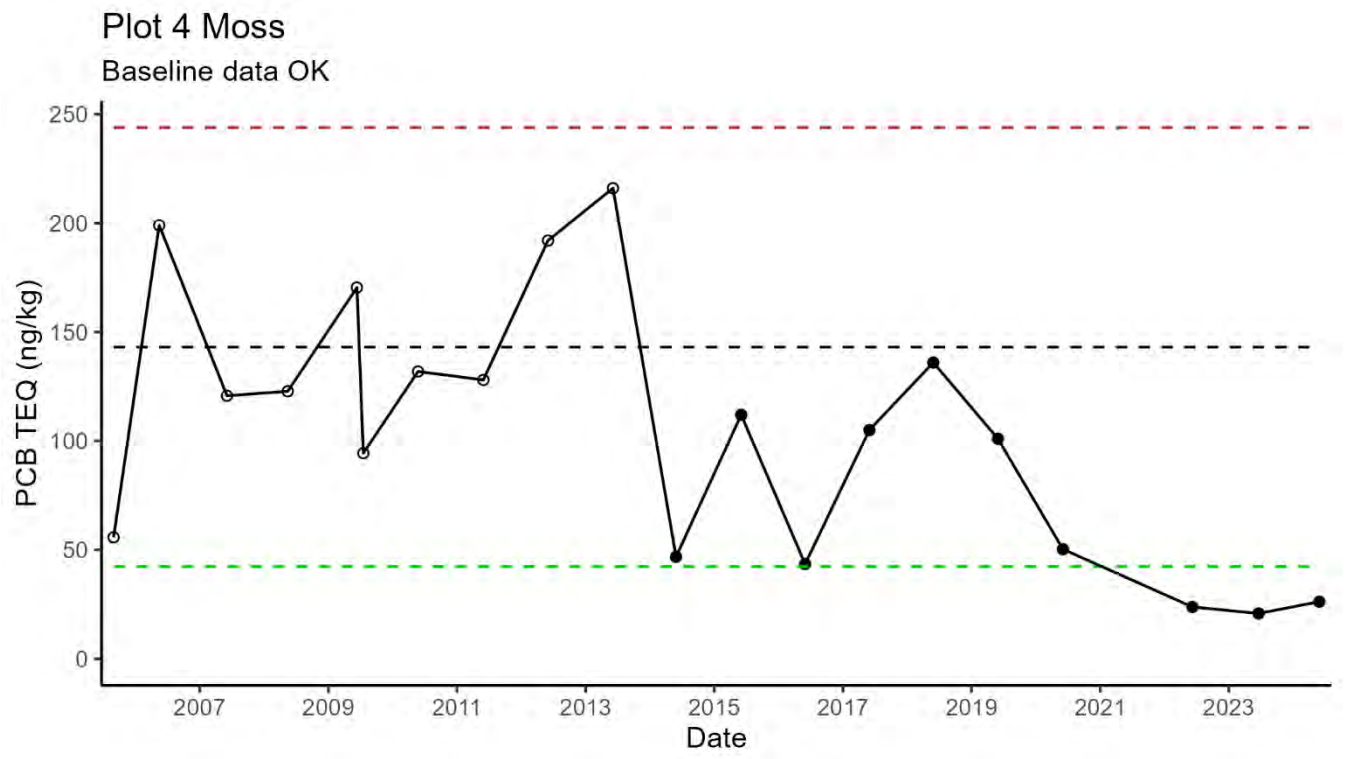
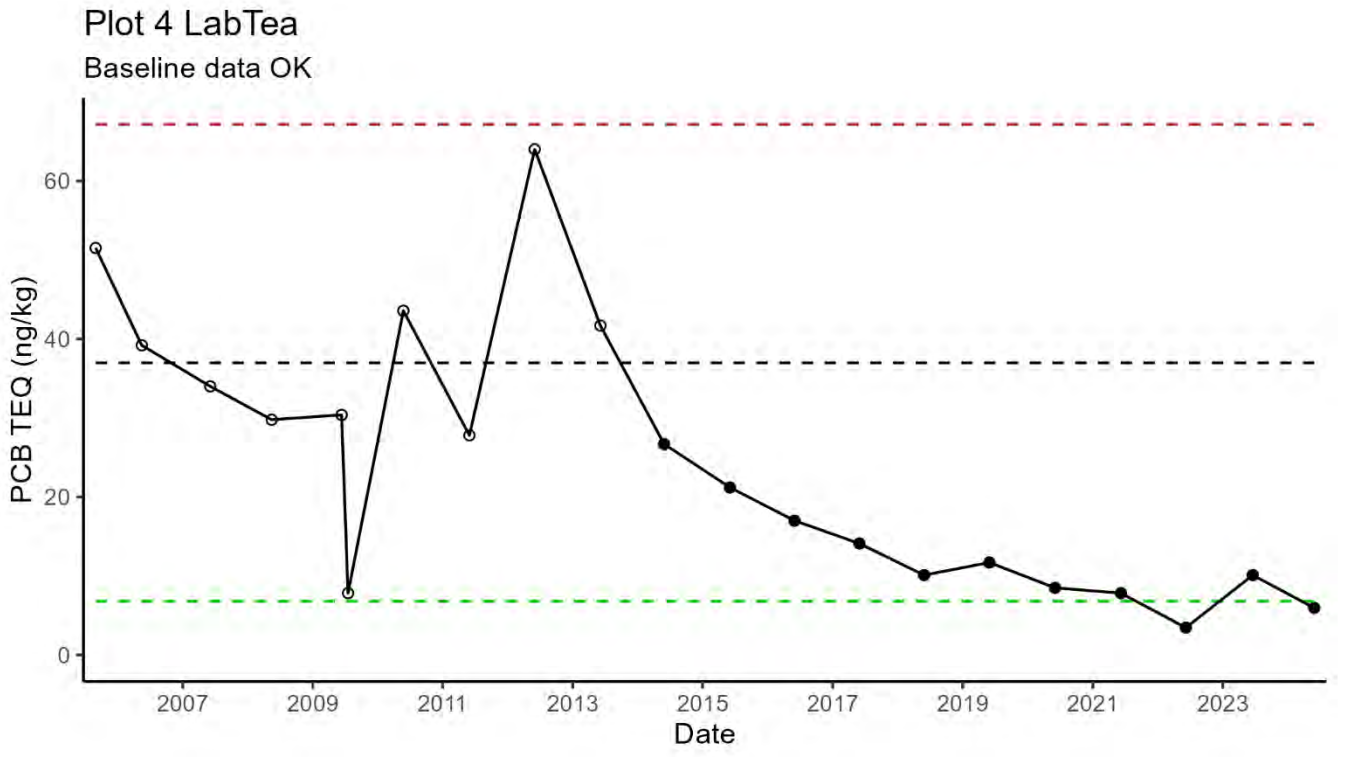
Figure **F.13**





- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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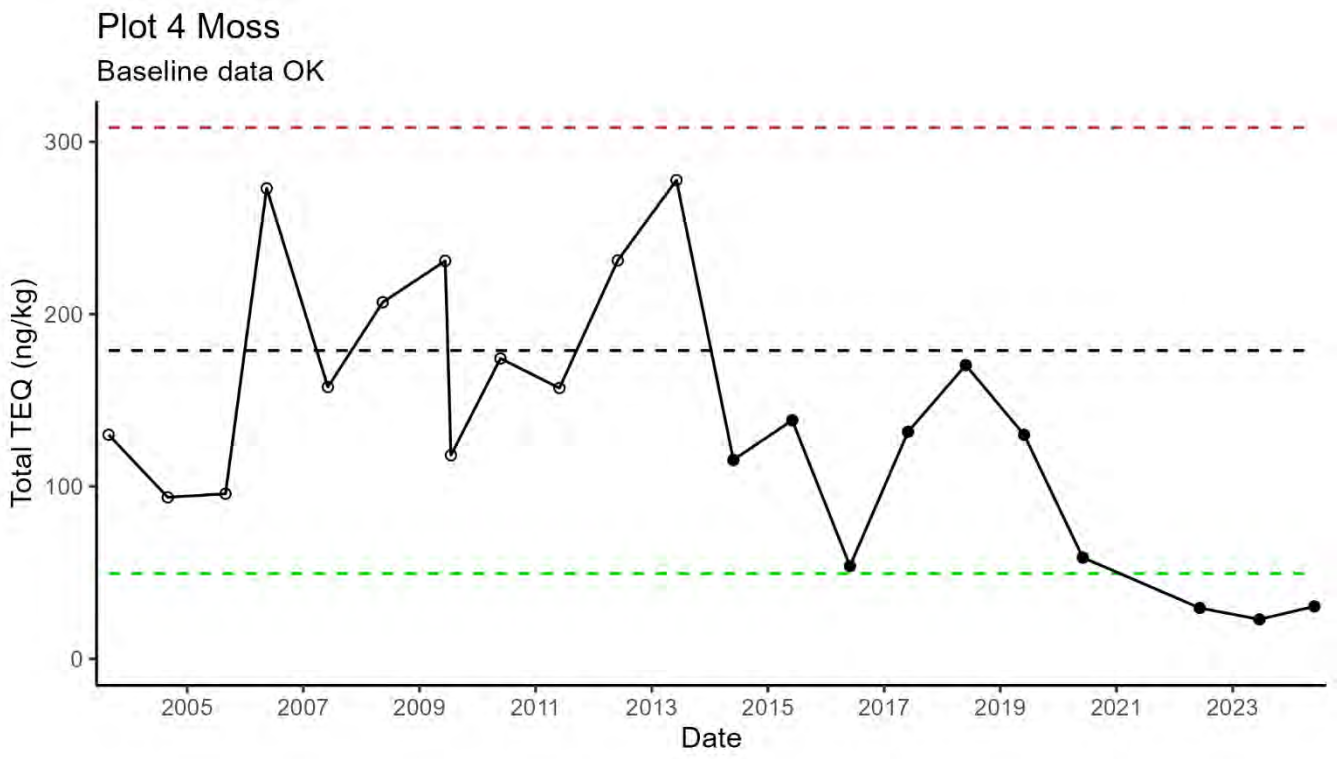
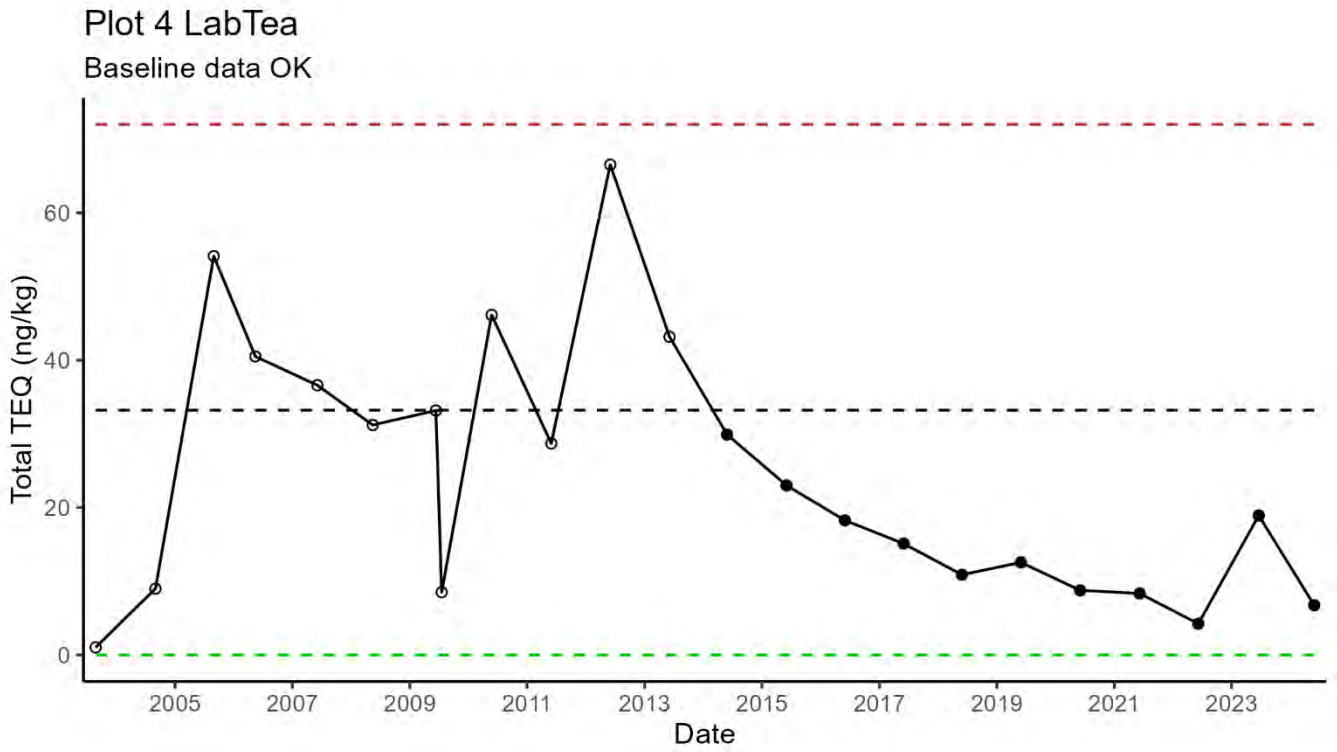
Figure **F.14**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Total TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
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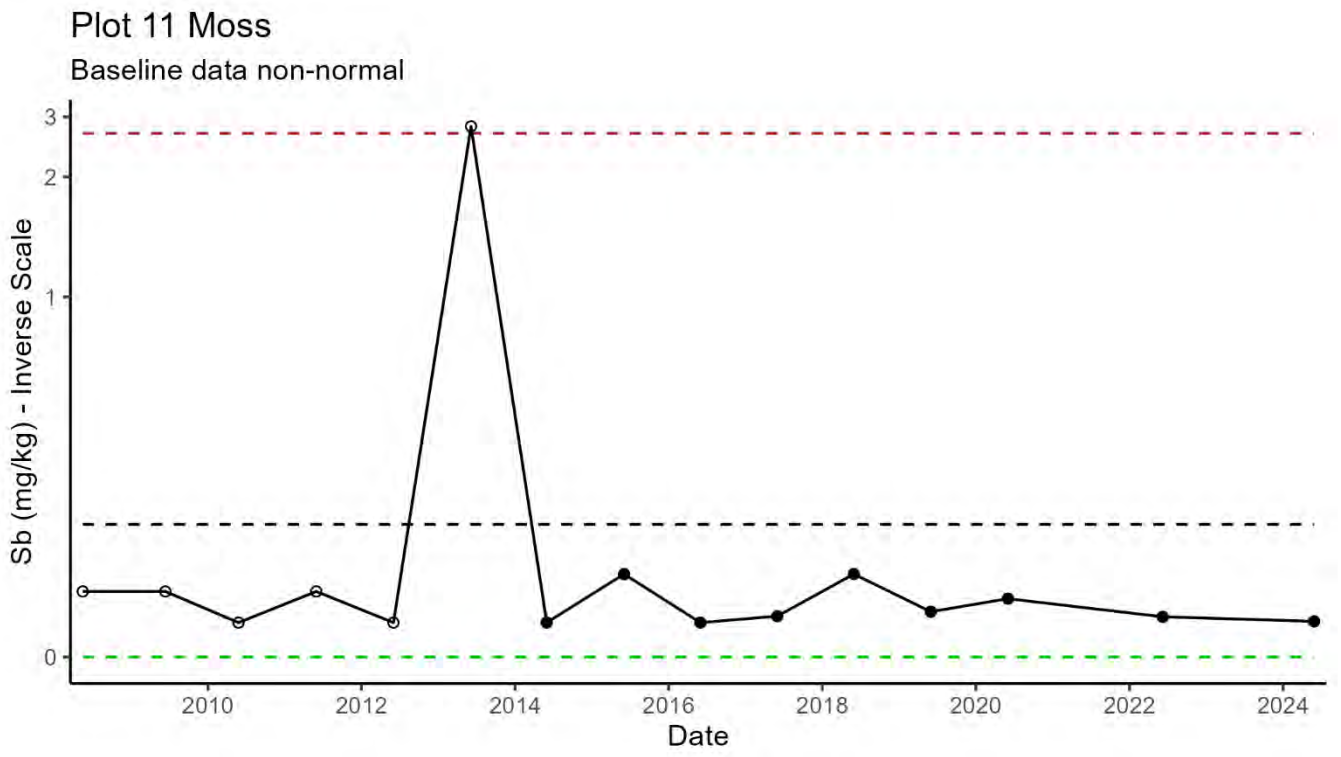
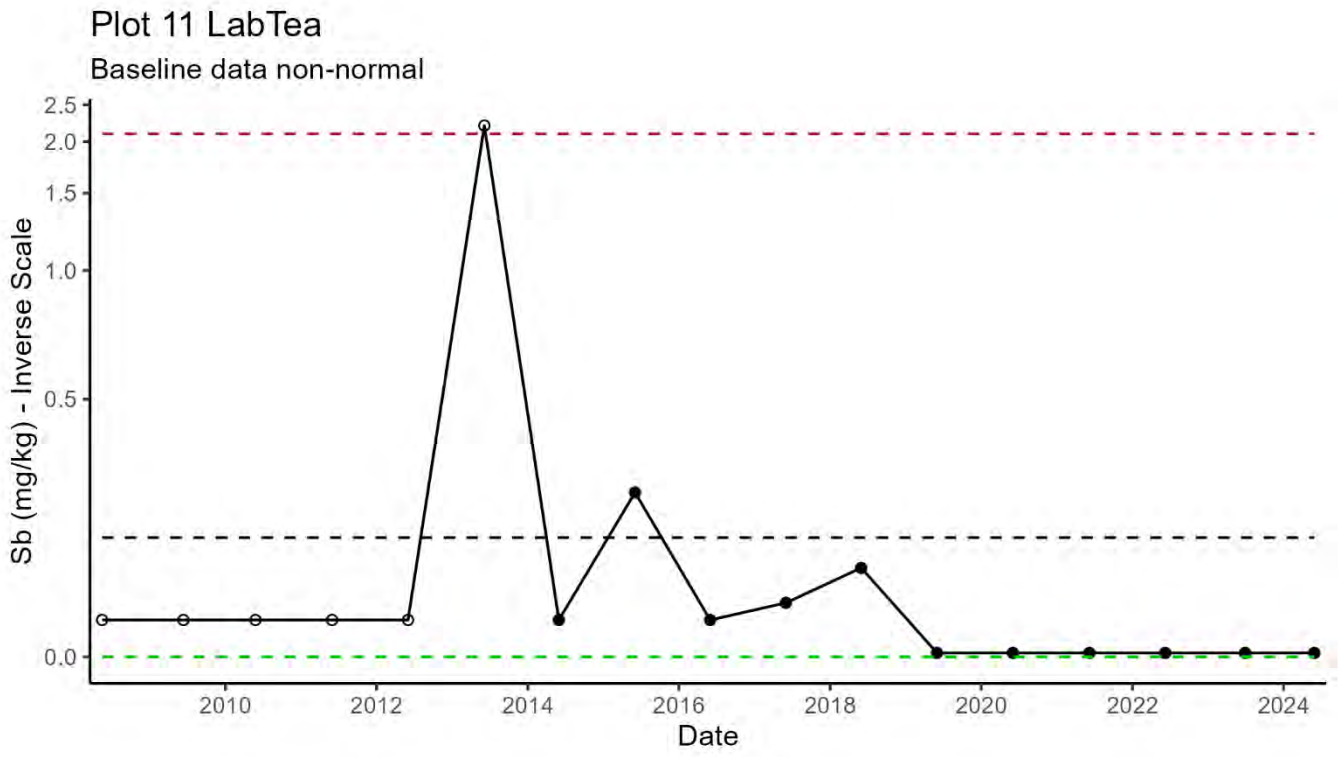
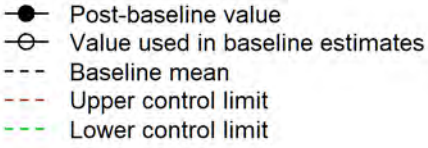
Figure **F.15**







MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Antimony

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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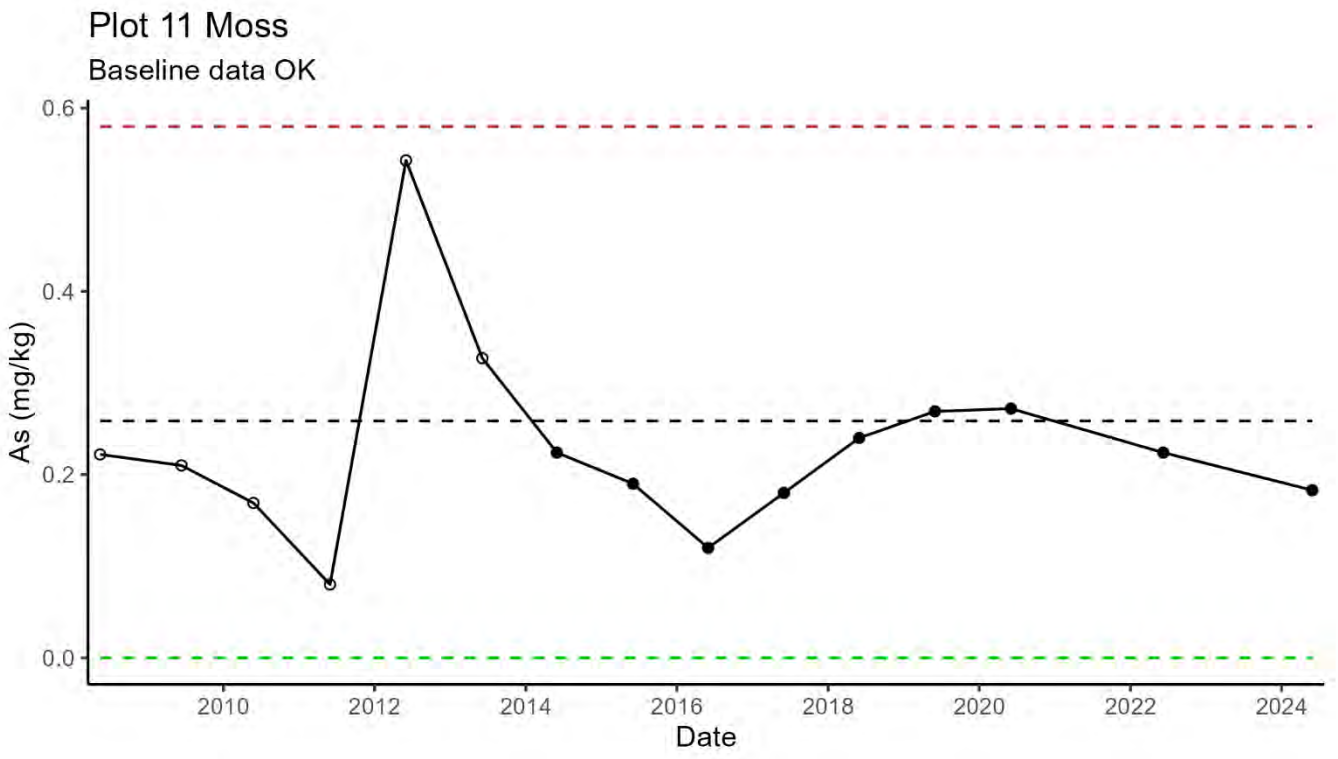
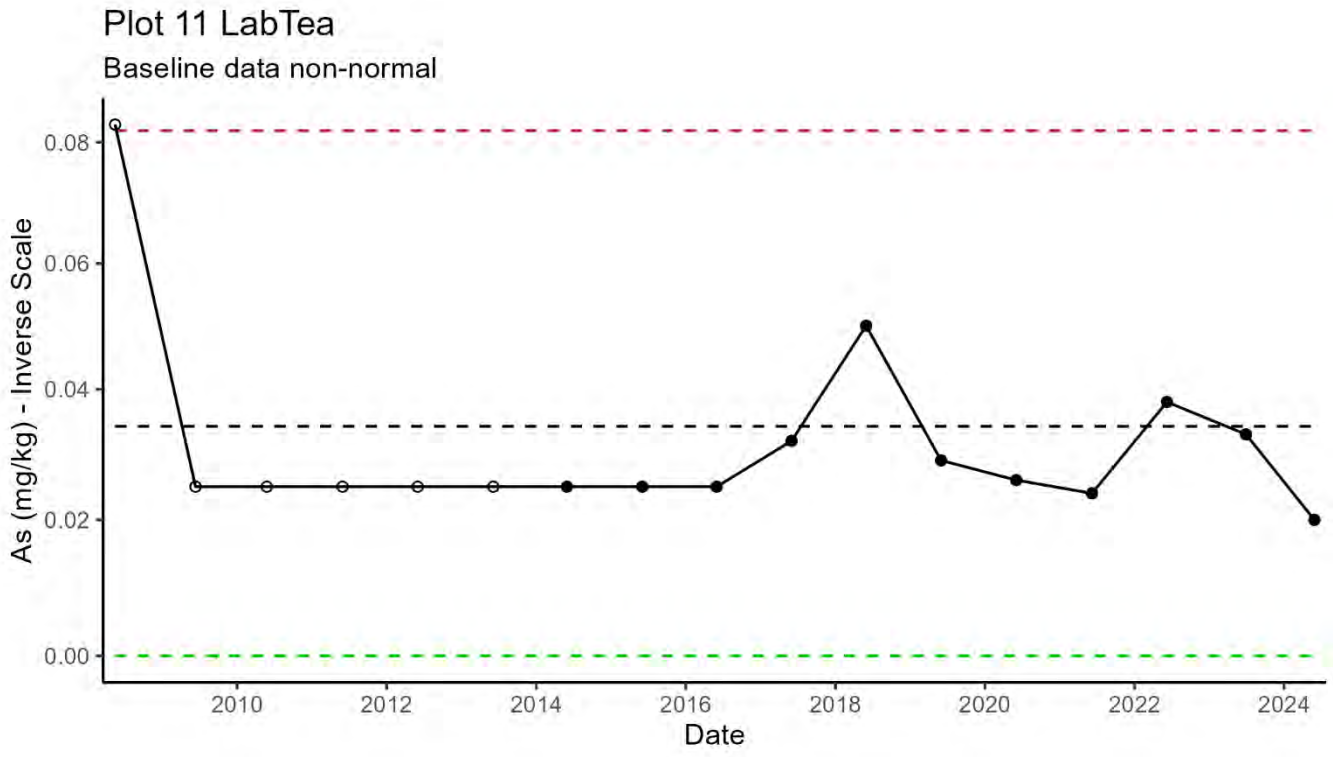
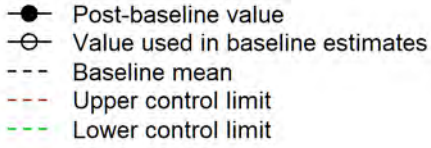
Figure **F.16**







MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Arsenic

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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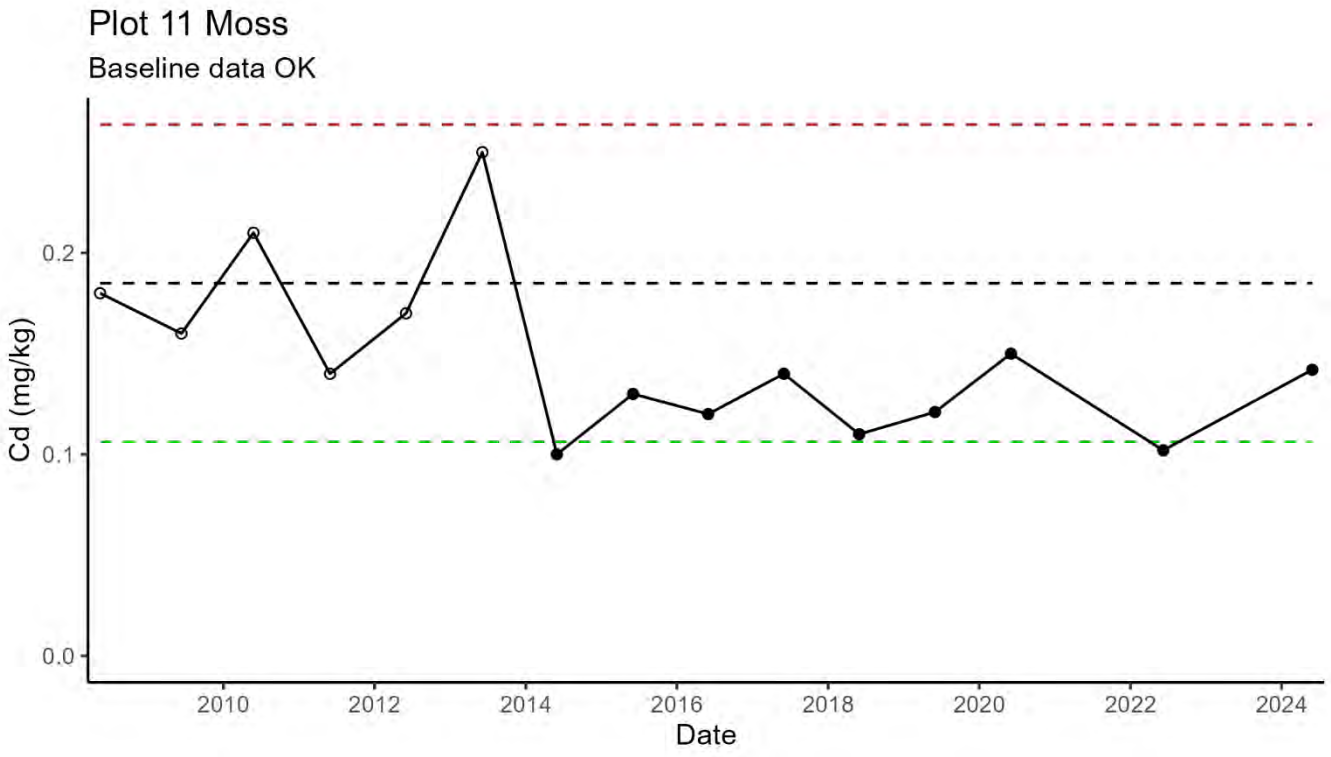
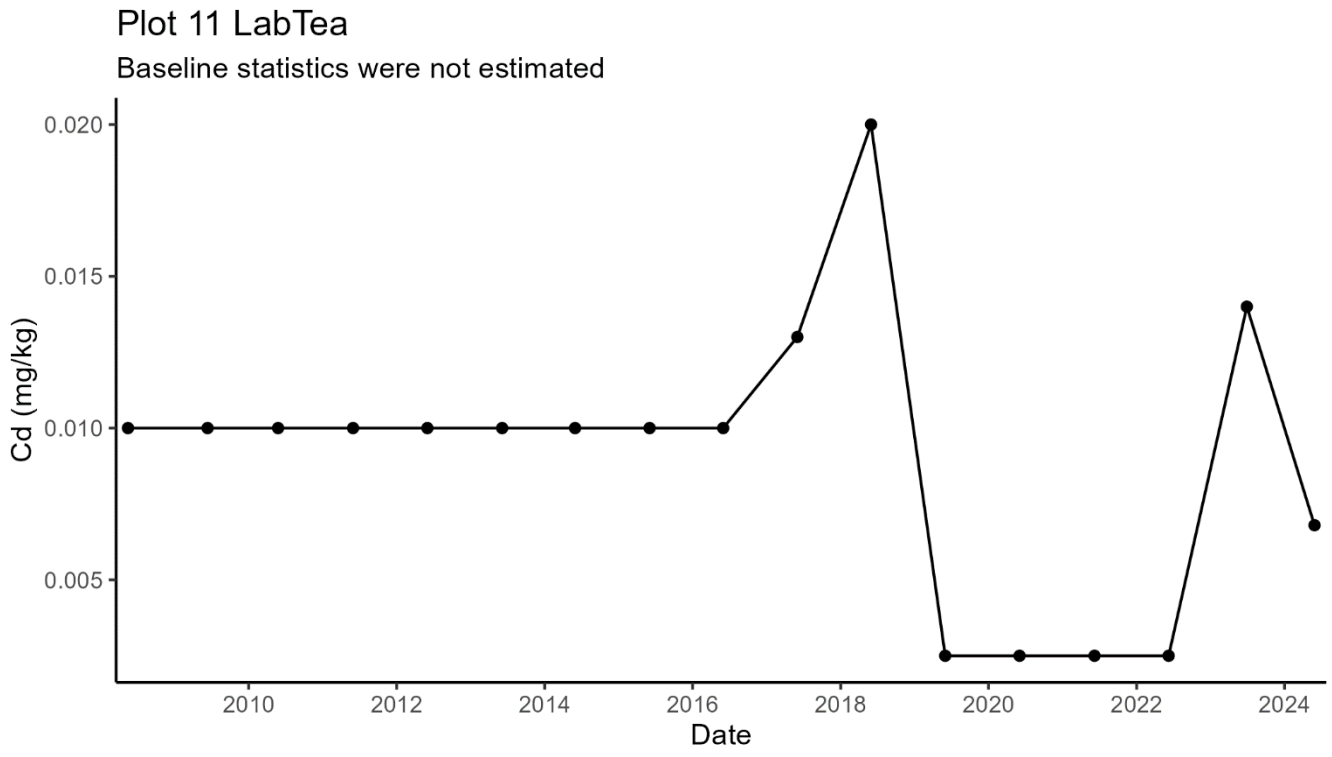
Figure **F.17**





- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Cadmium

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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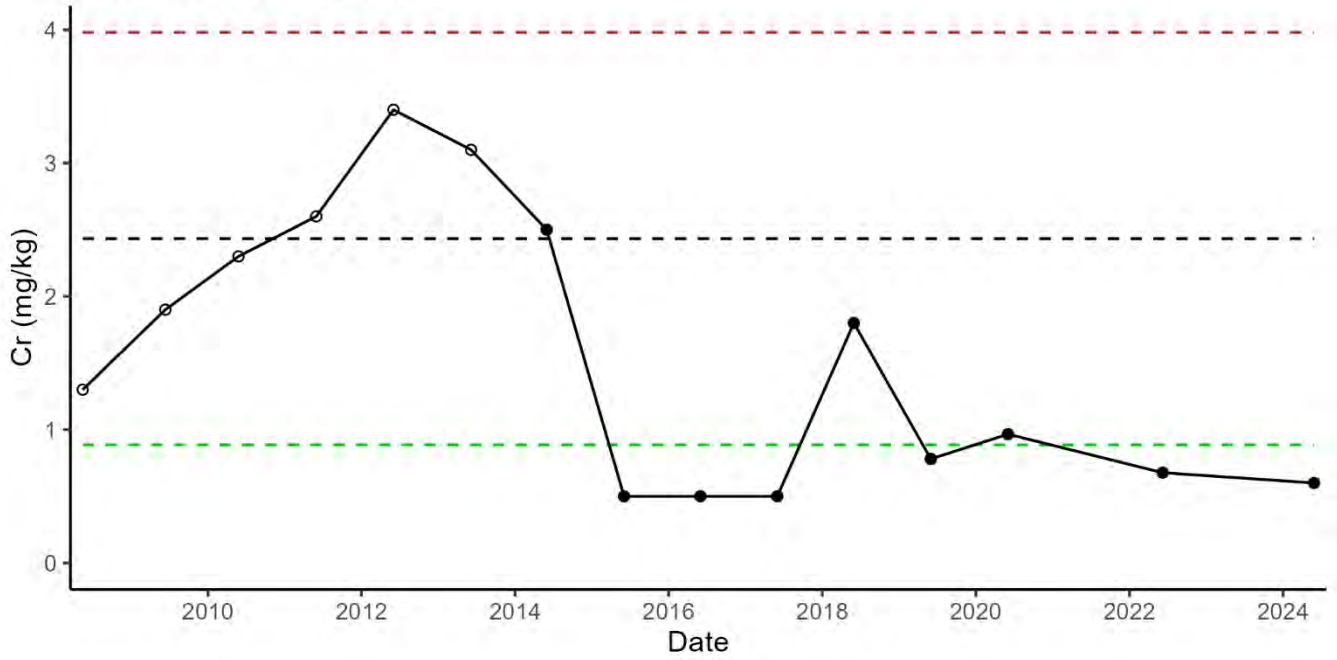
Figure **F.18**

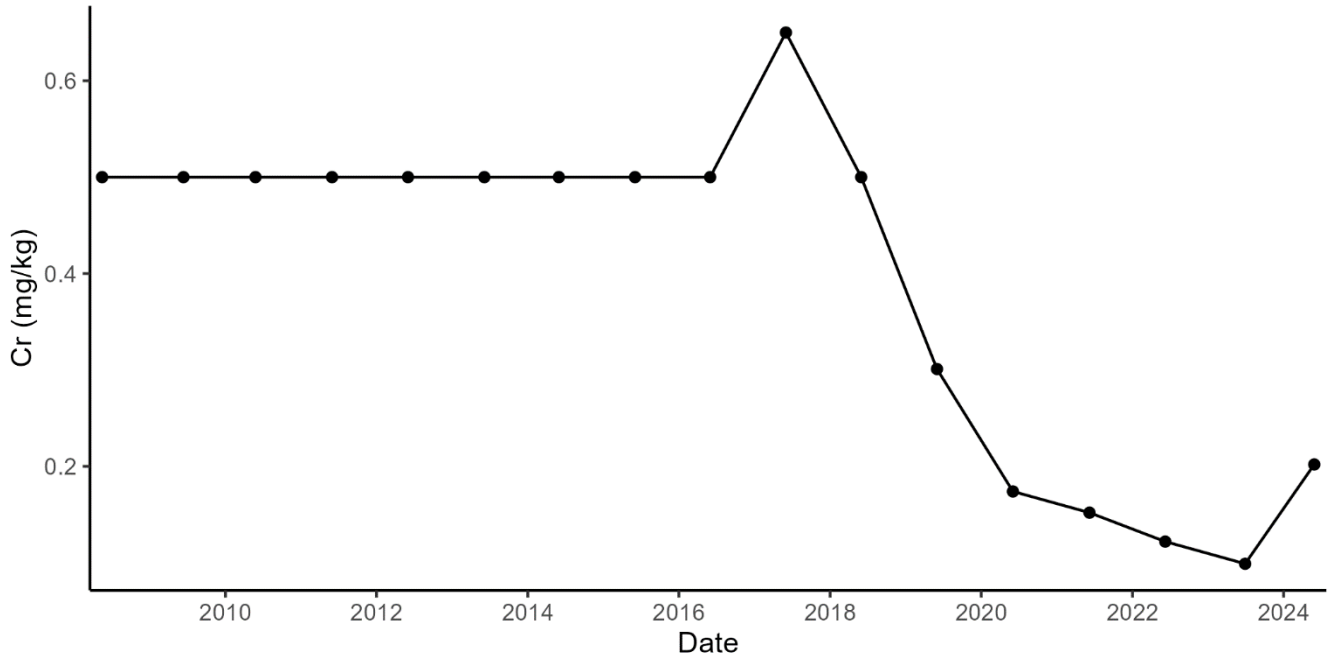
Plot 11 Moss

Baseline data trend present



Plot 11 LabTea

Baseline statistics were not estimated



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Chromium

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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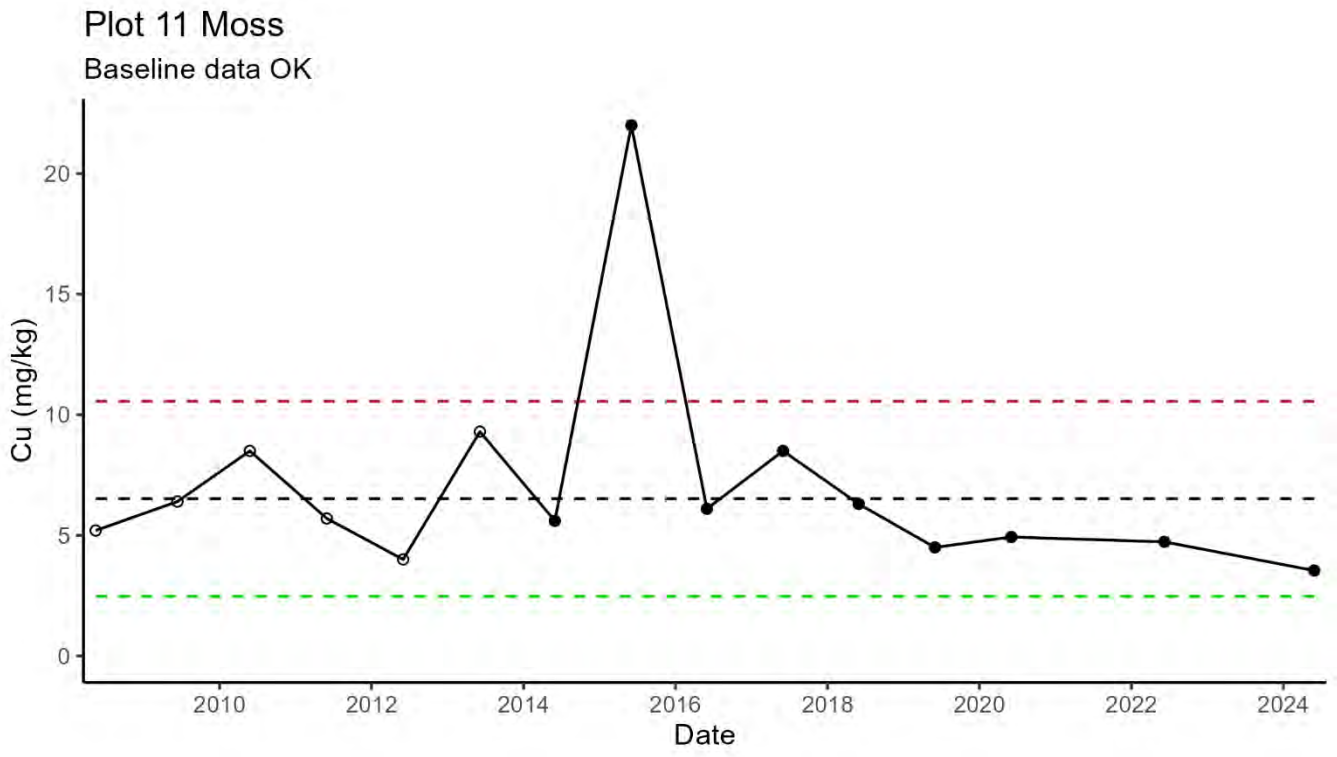
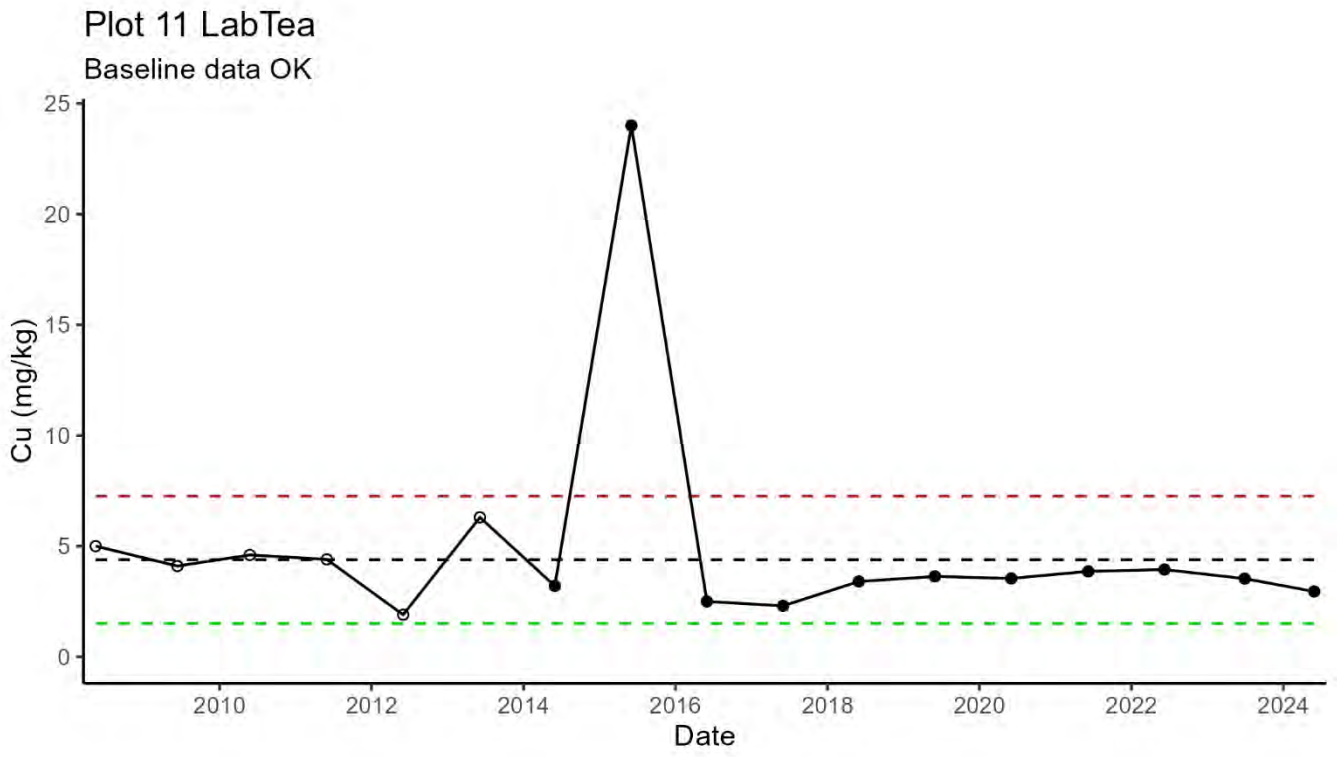
Figure F.19





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Copper

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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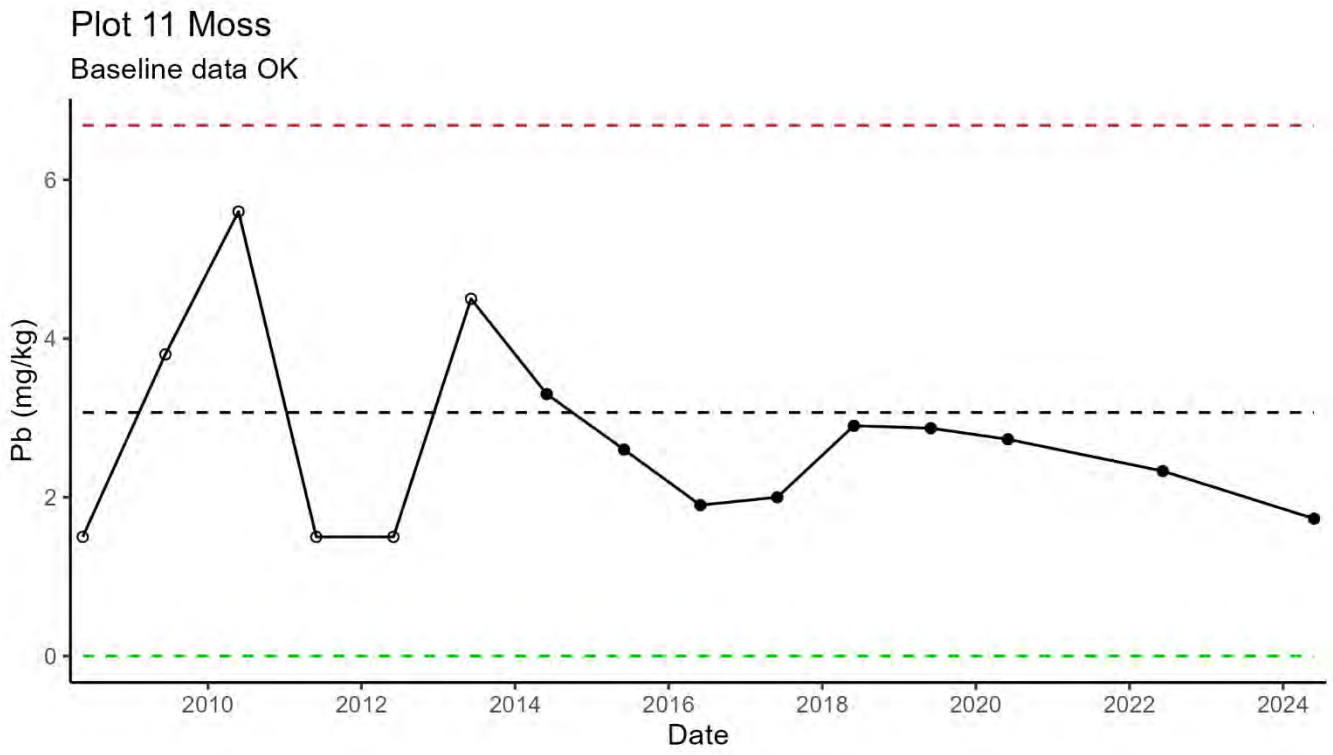
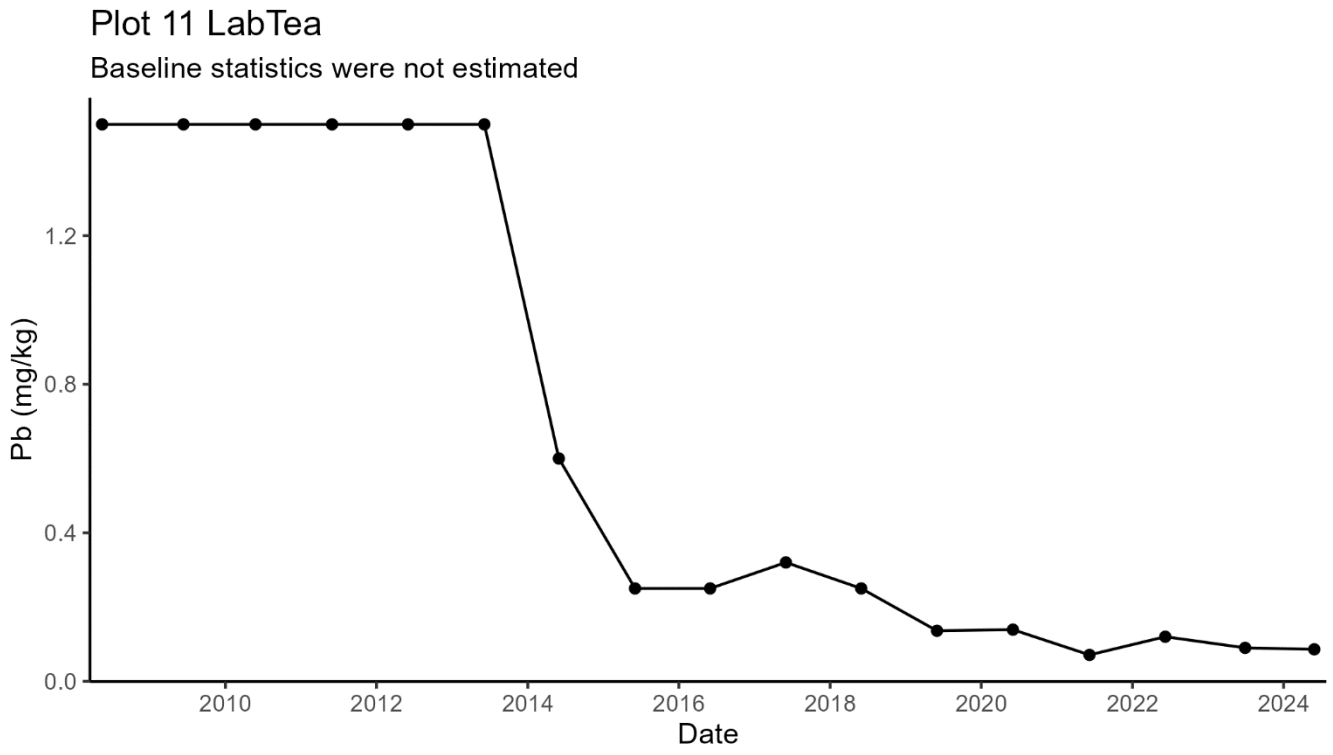
Figure **F.20**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Lead

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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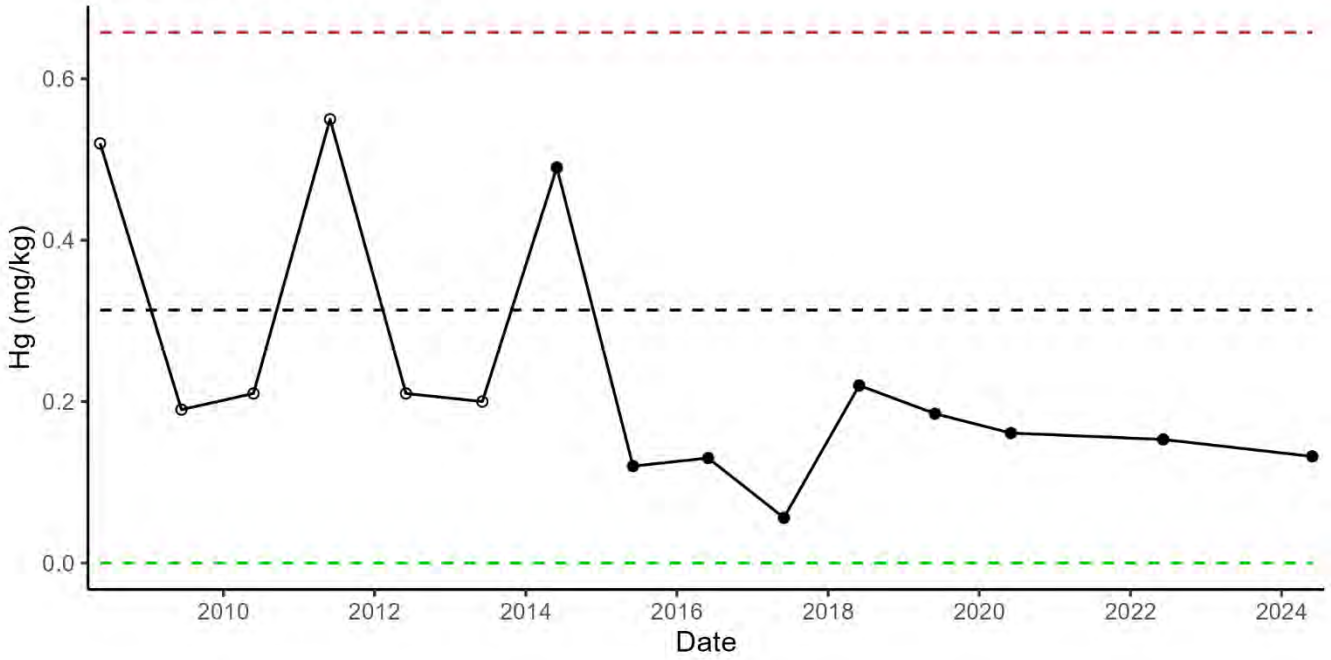
Figure **F.21**

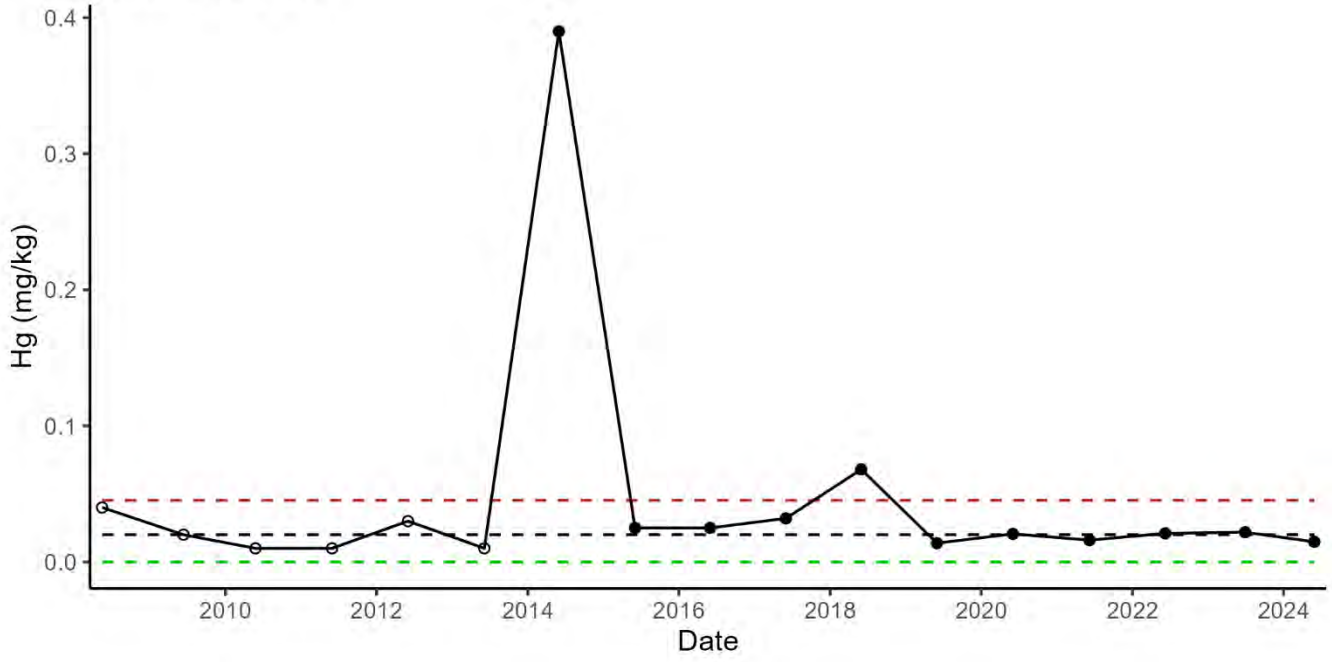
Plot 11 Moss

Baseline data non-normal



Plot 11 LabTea

Baseline data OK



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Mercury

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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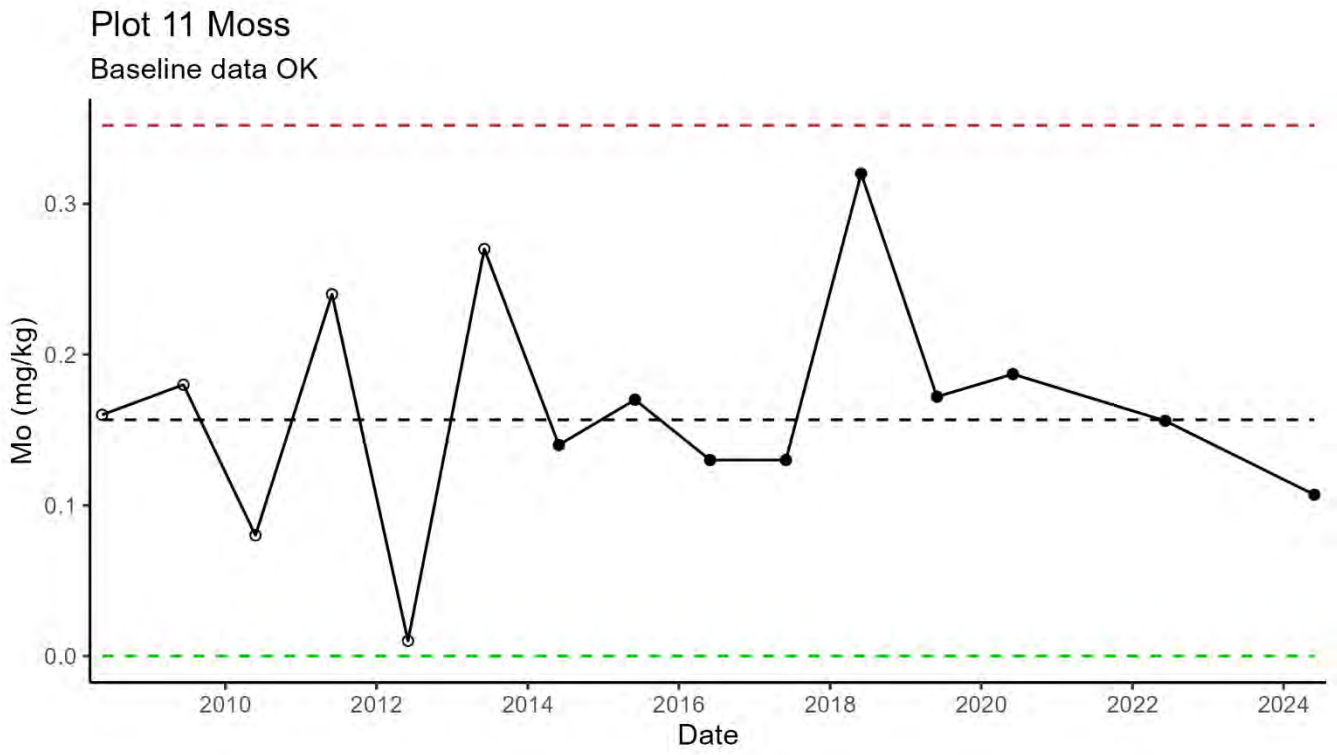
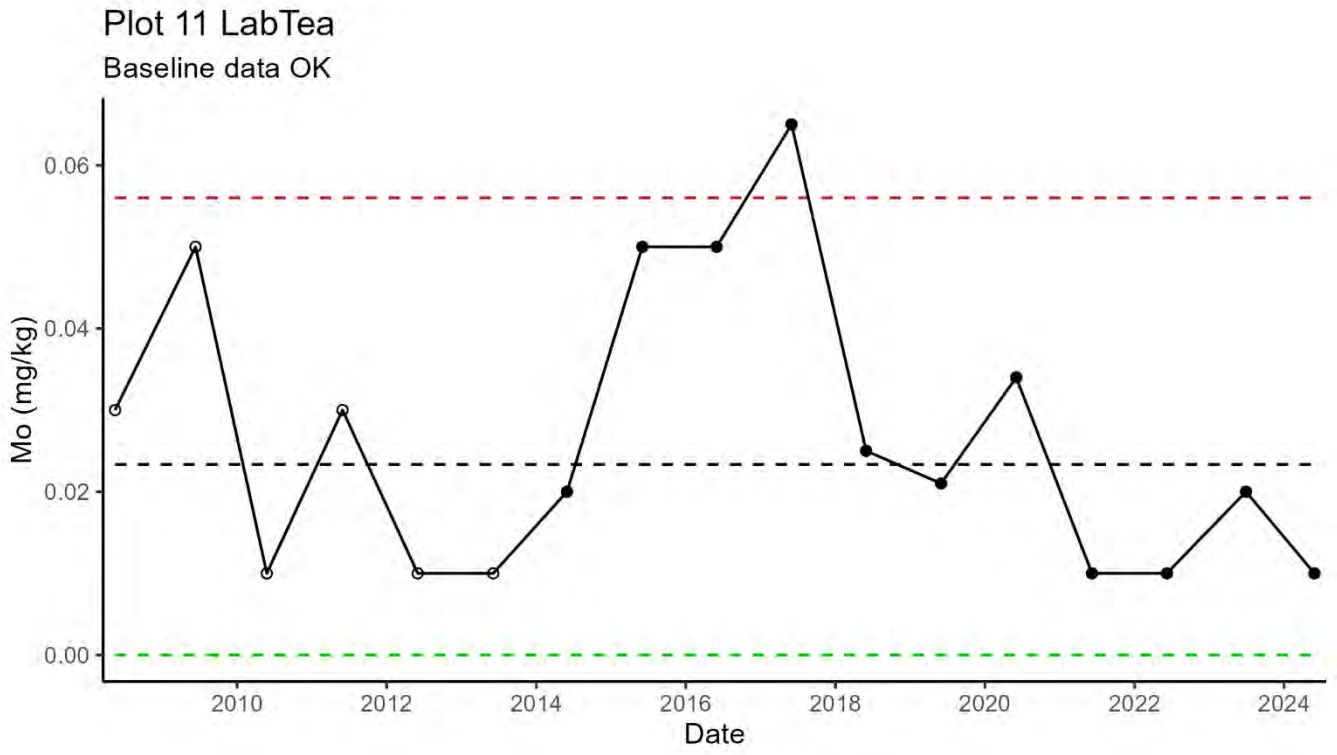
Figure **F.22**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Molybdenum

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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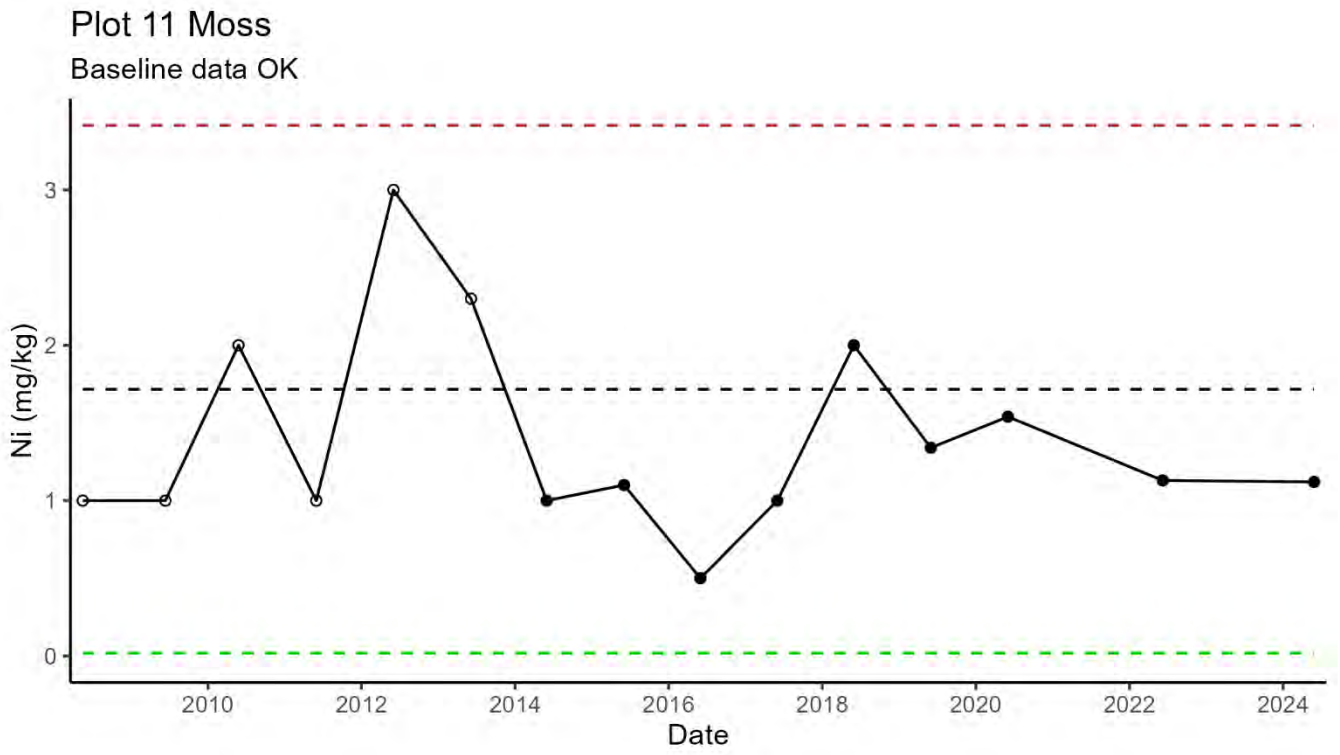
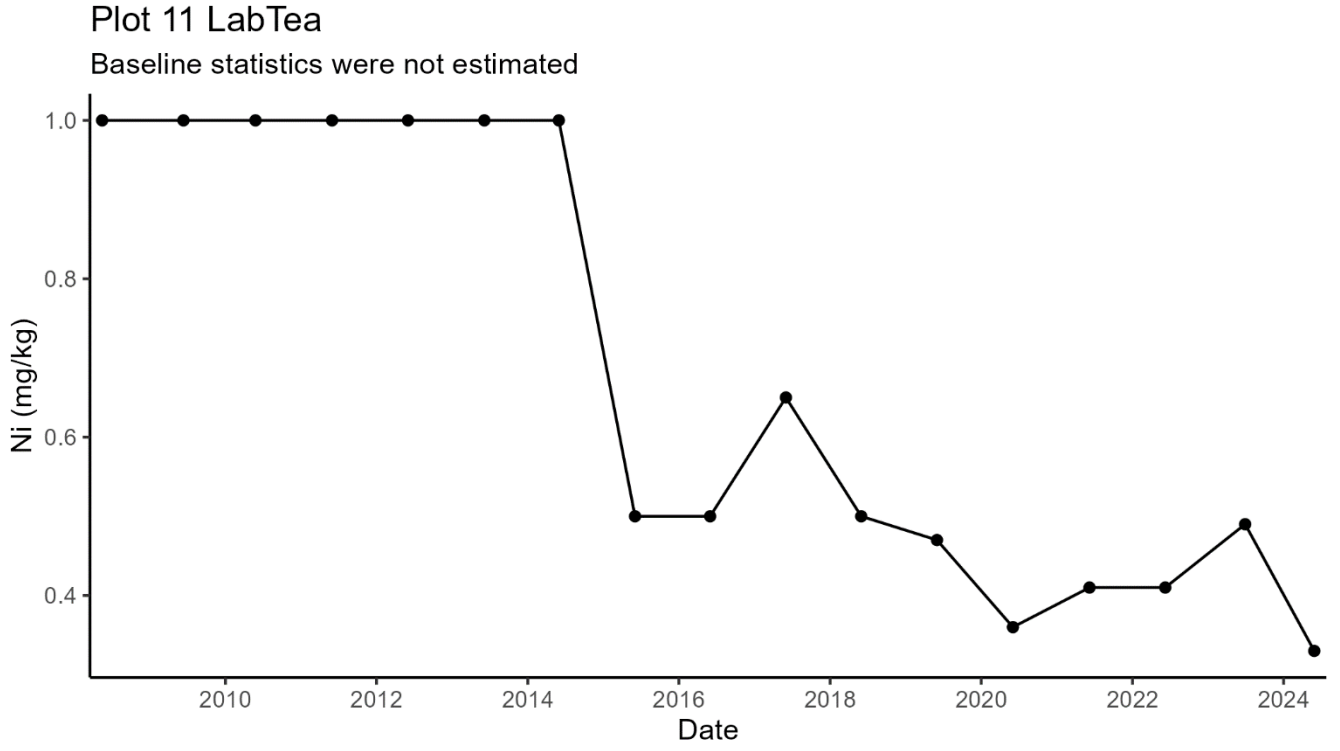
Figure **F.23**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Nickel

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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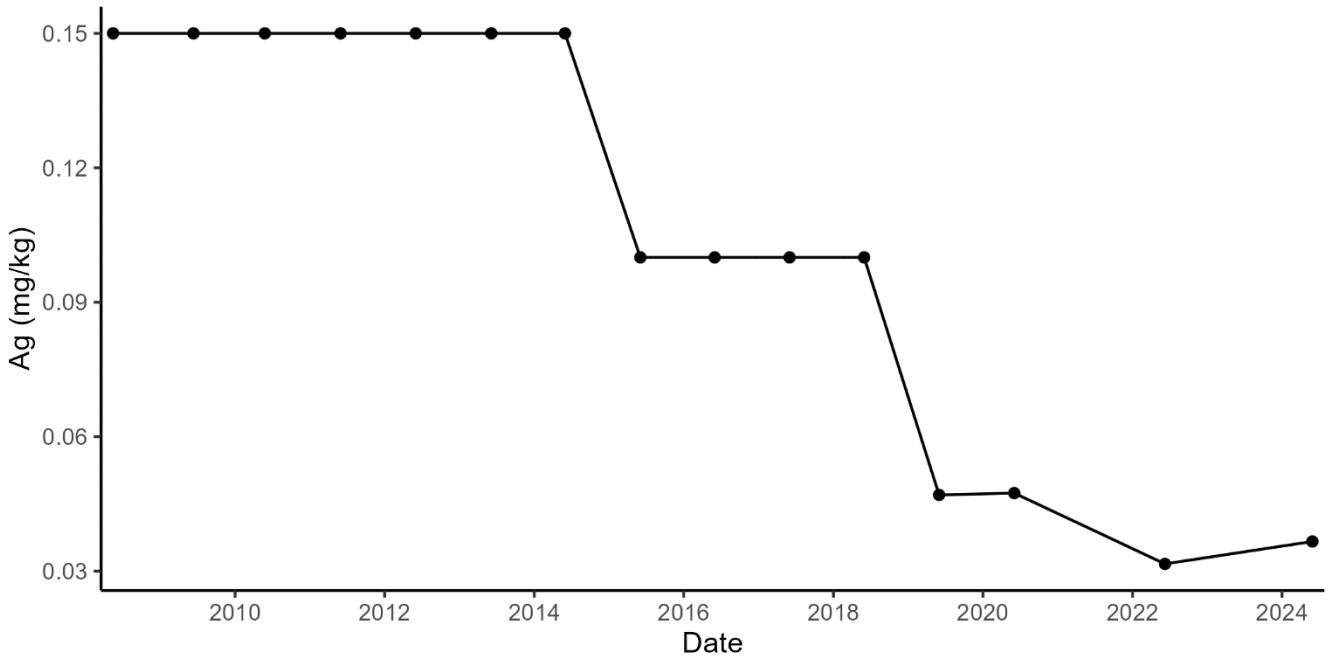
Figure F.24

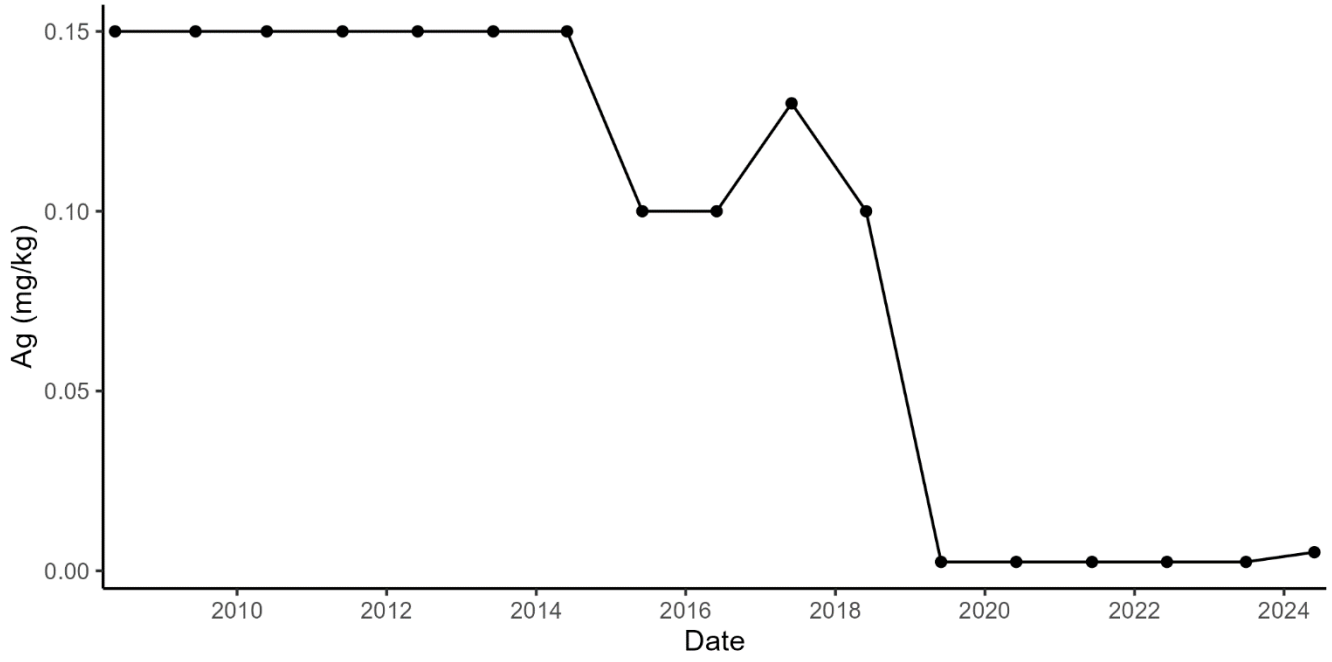
Plot 11 Moss

Baseline statistics were not estimated



Plot 11 LabTea

Baseline statistics were not estimated



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Silver

Date:	Project:	Technical:	Reviewer:	Drawn:
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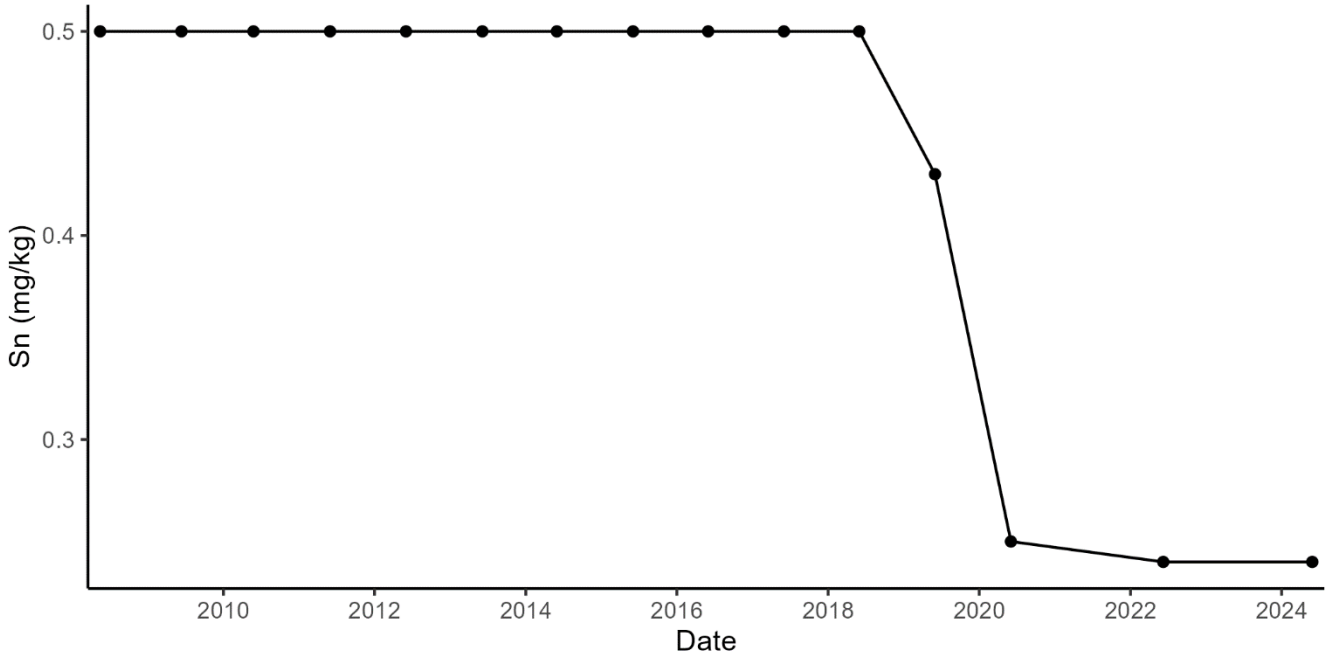
Figure **F.25**

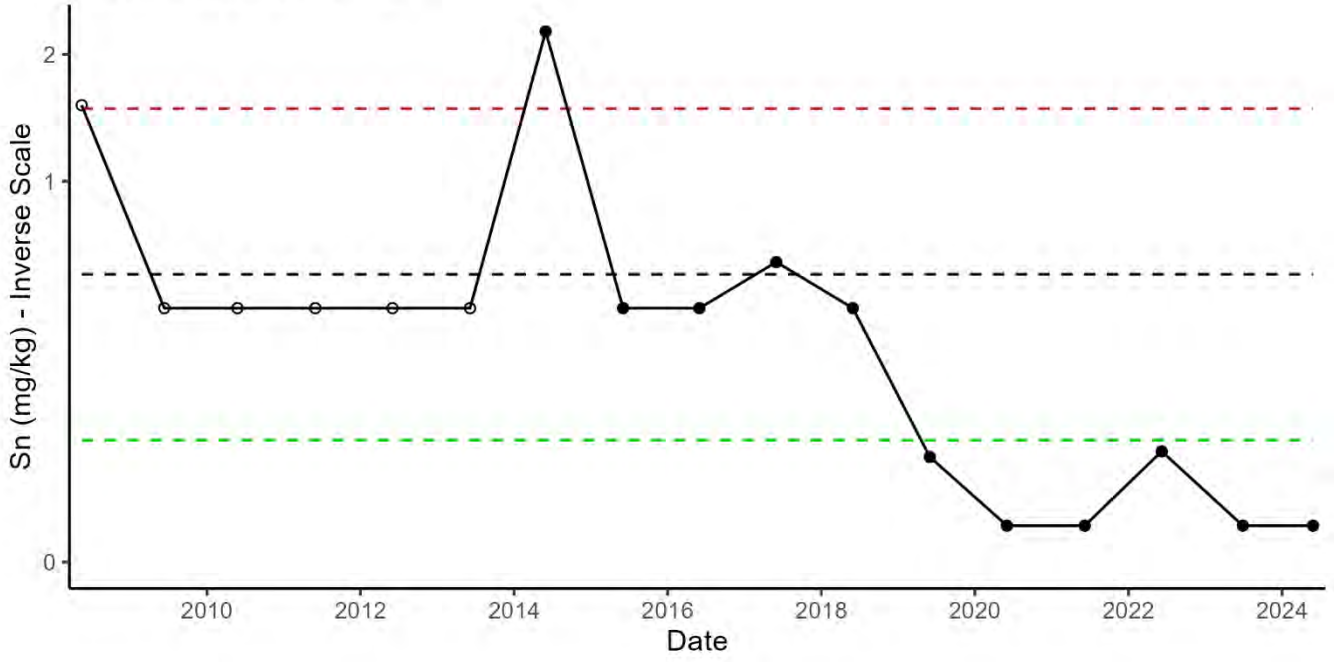
Plot 11 Moss

Baseline statistics were not estimated



Plot 11 LabTea

Baseline data non-normal



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Tin

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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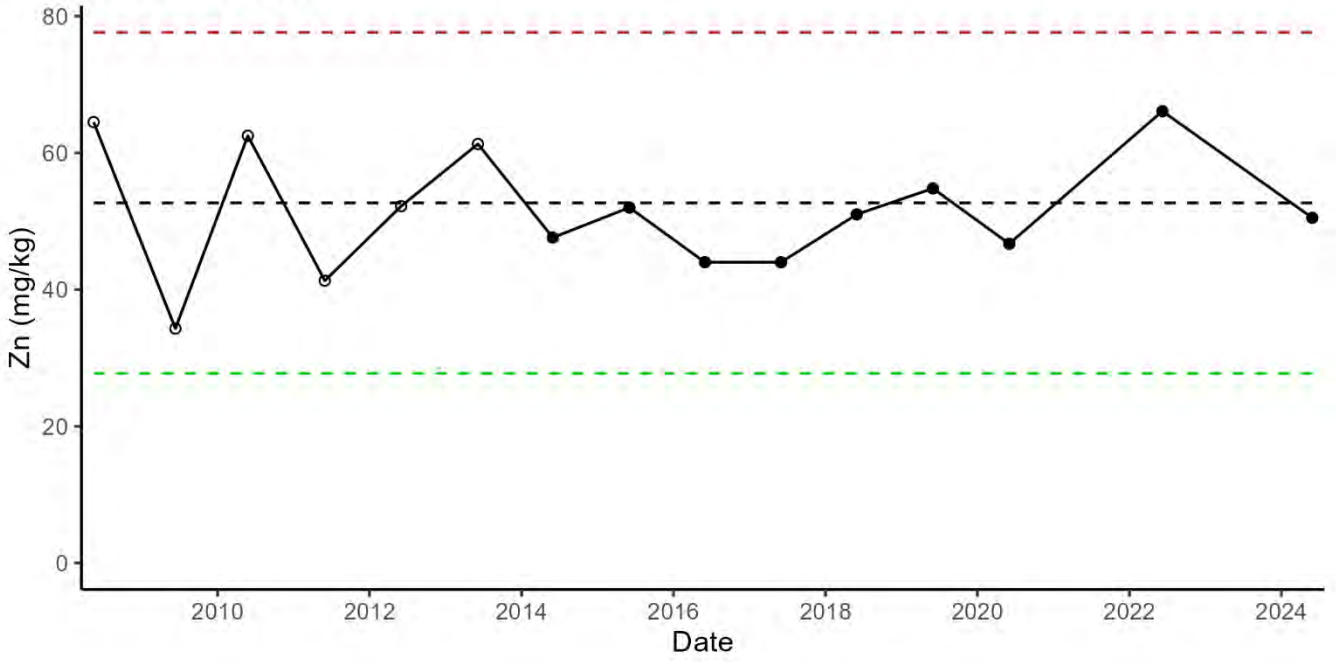
Figure **F.26**

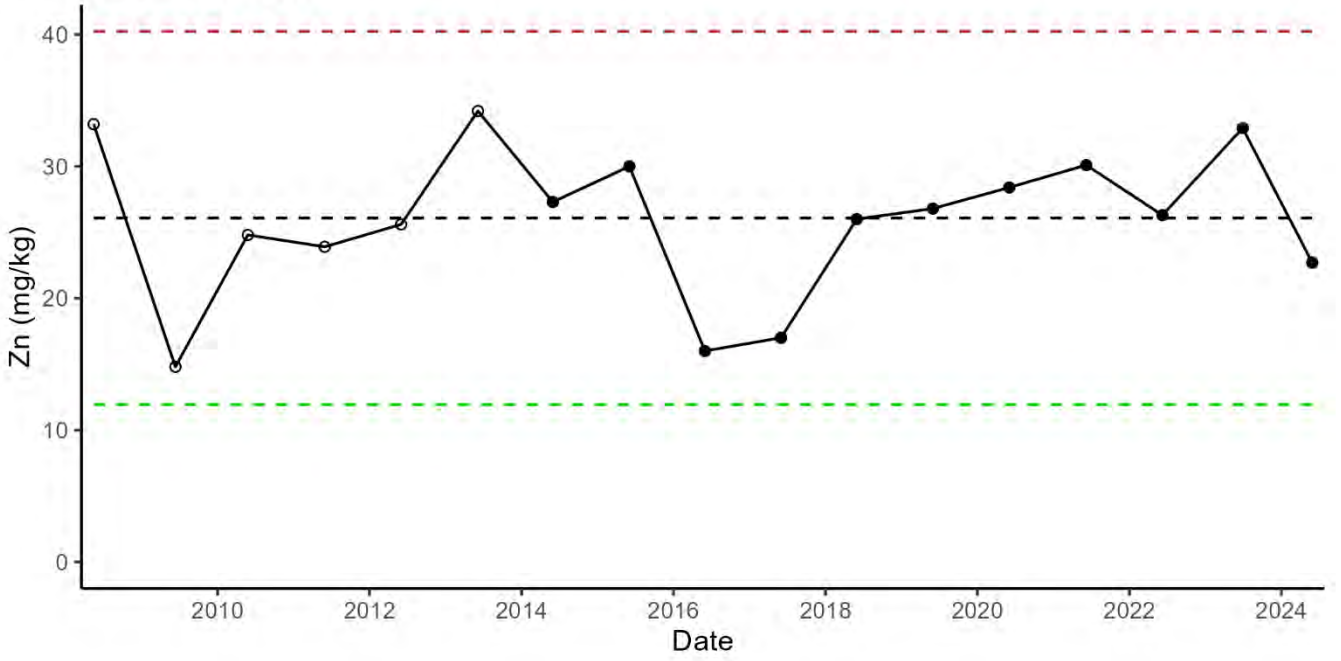
Plot 11 Moss

Baseline data OK



Plot 11 LabTea

Baseline data OK



Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Zinc

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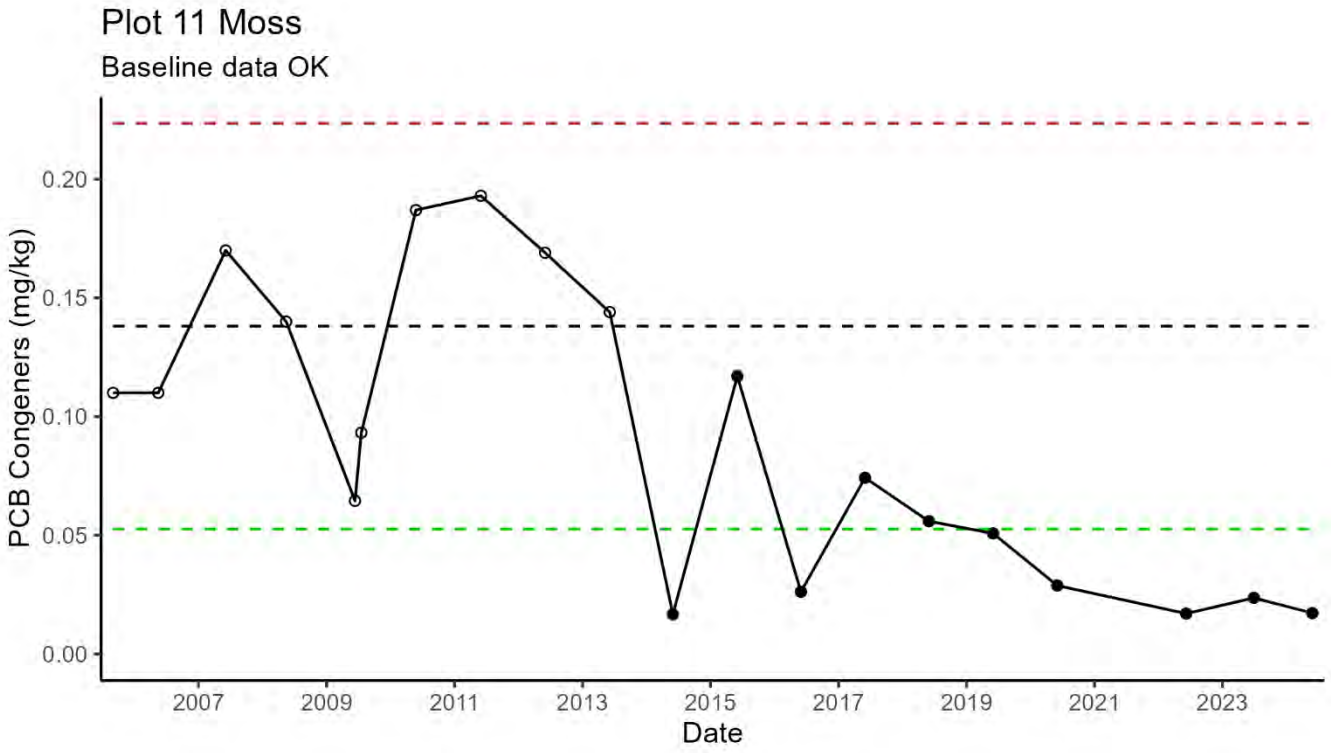
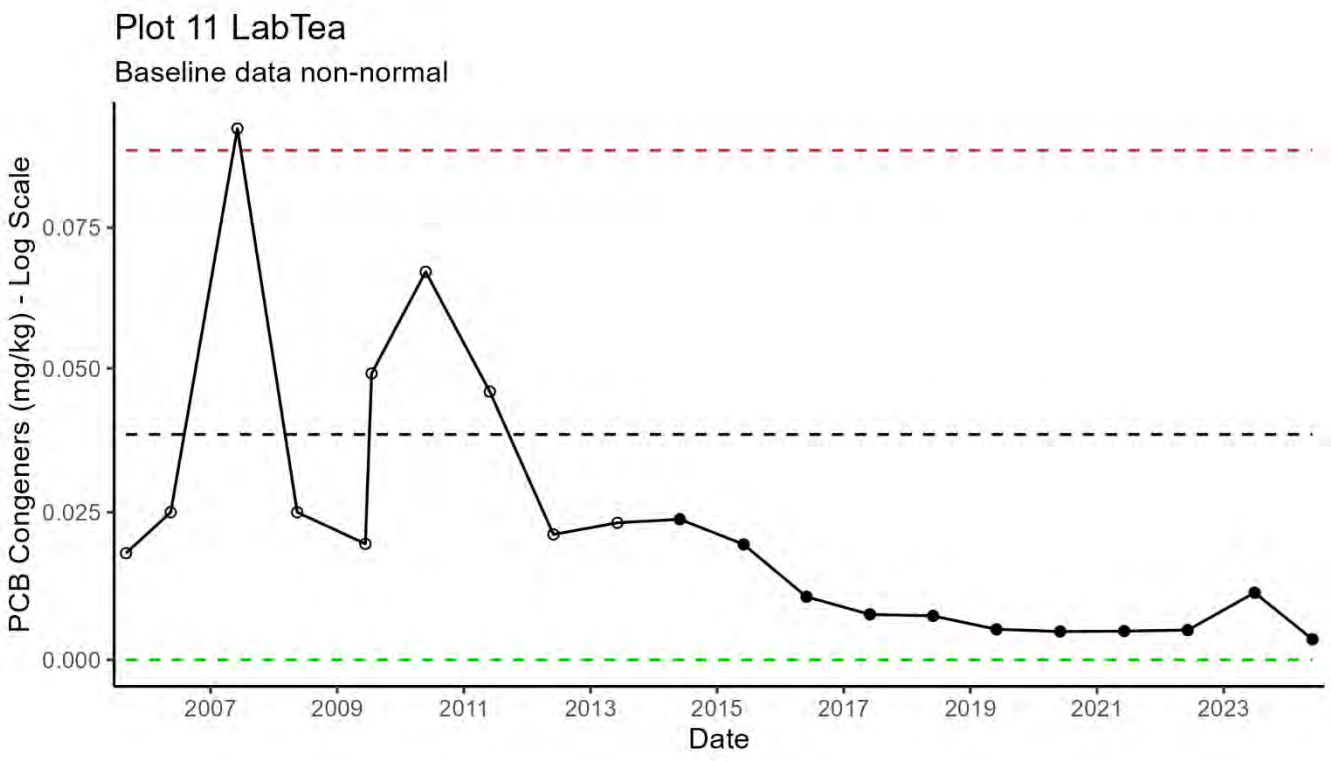
Figure **F.27**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB Congeners

Date:	Project:	Technical:	Reviewer:	Drawn:
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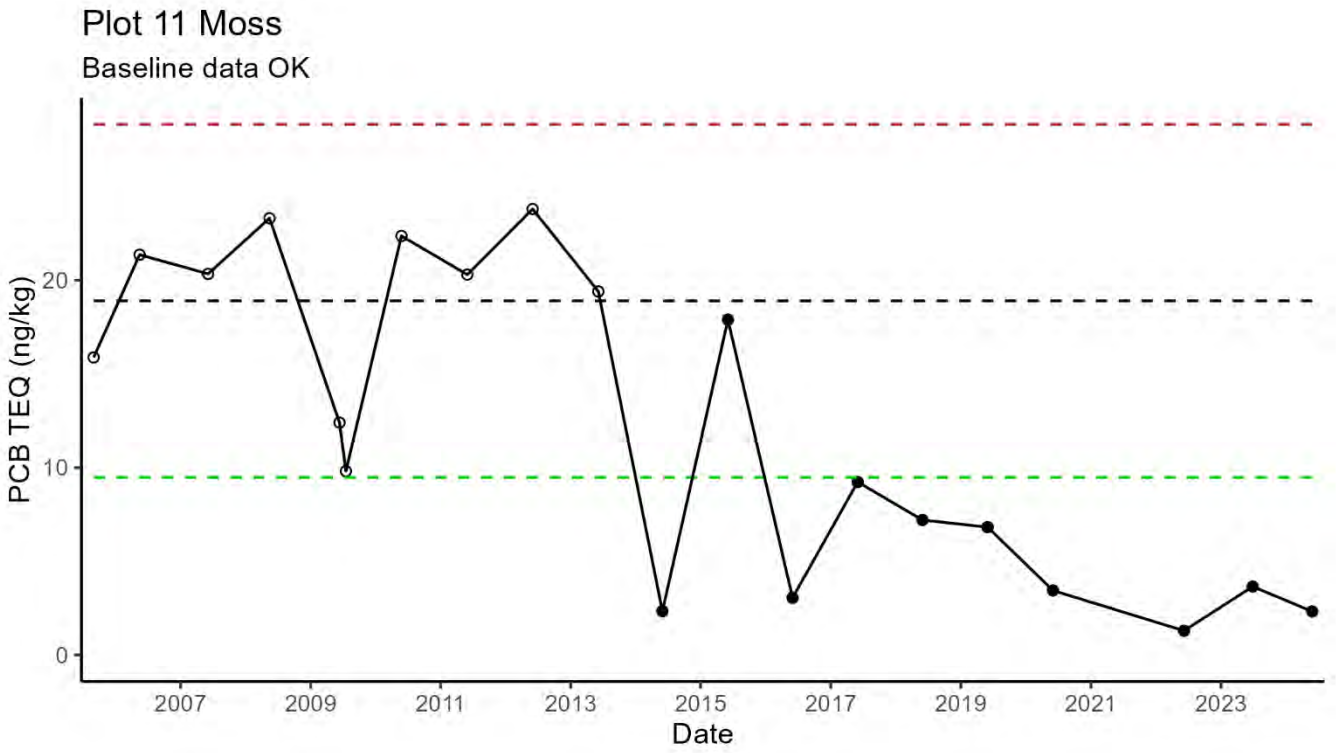
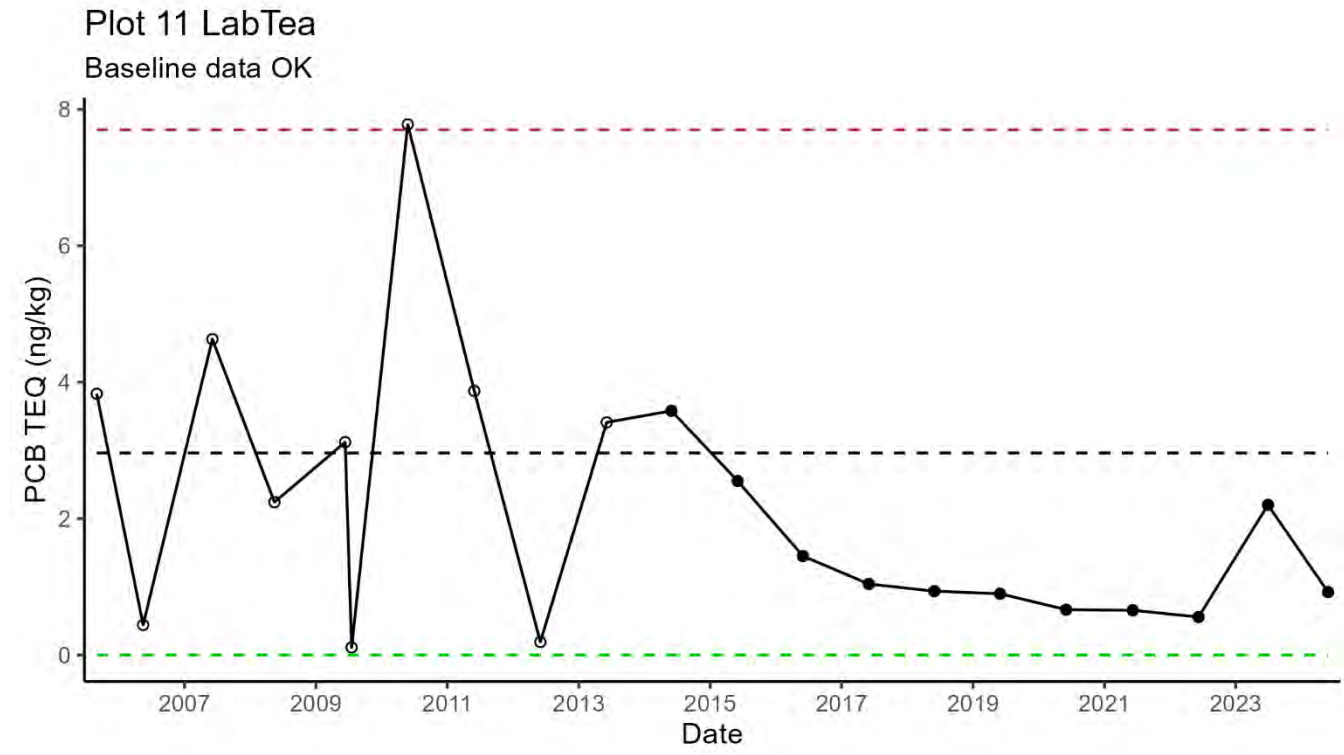
Figure **F.28**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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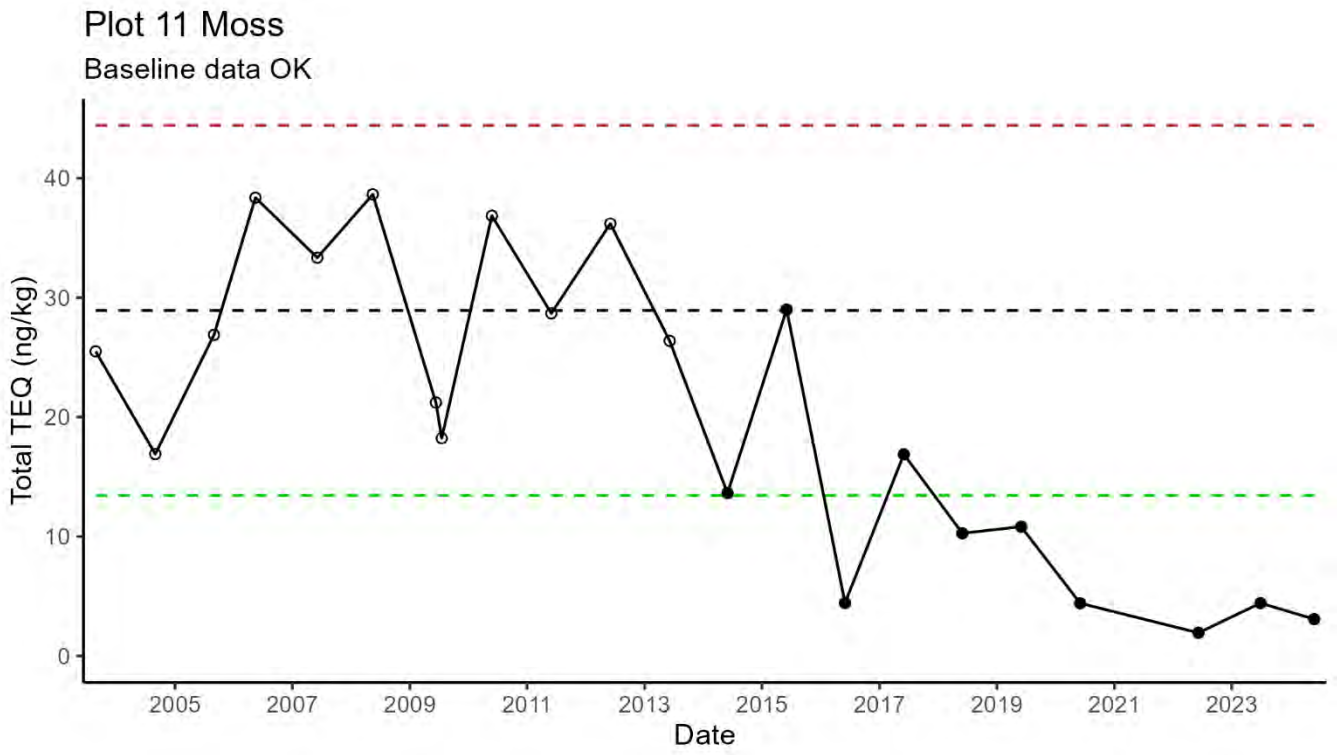
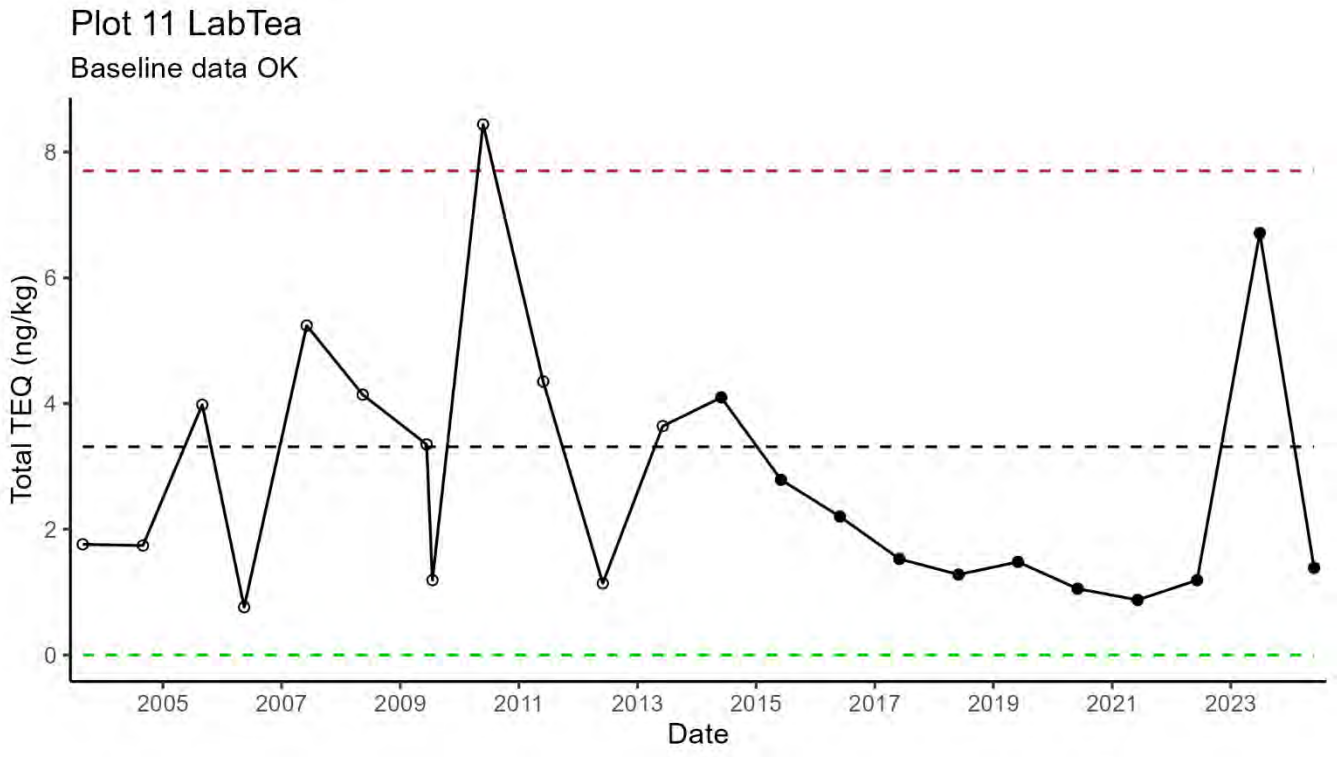
Figure **F.29**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Total TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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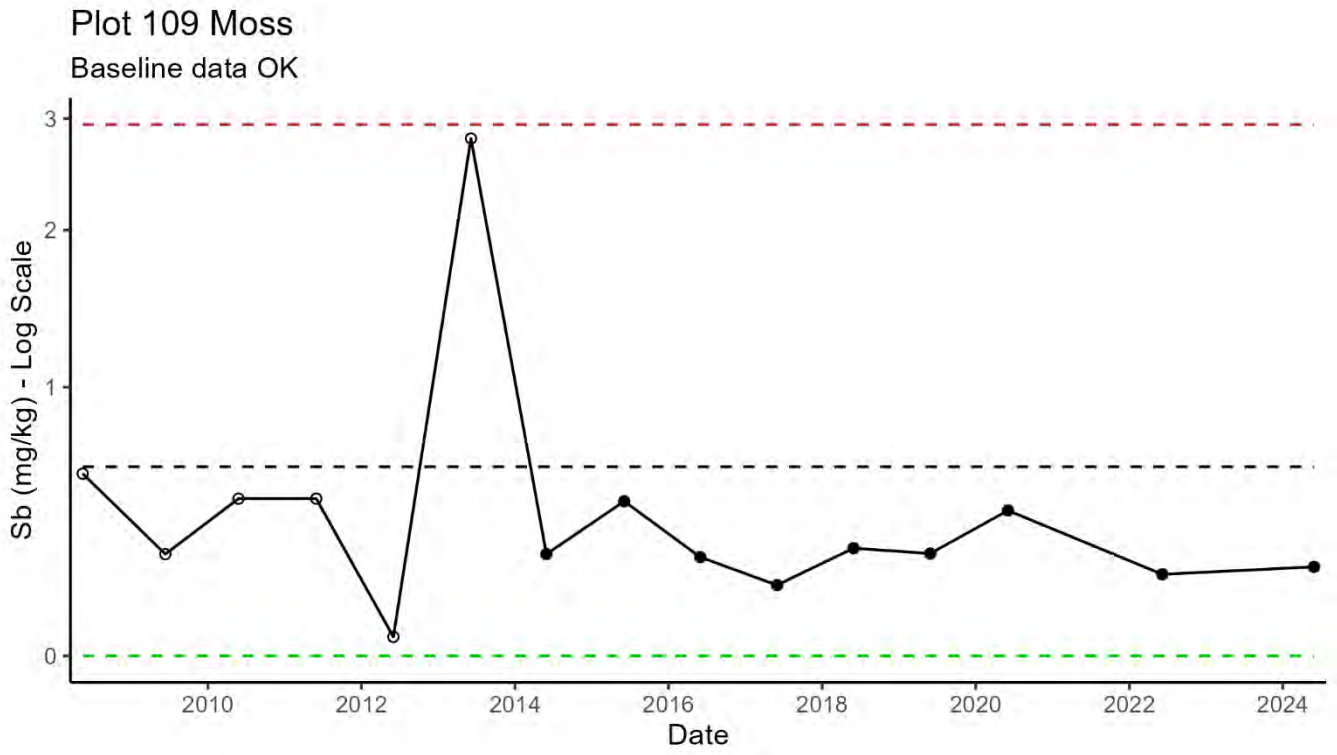
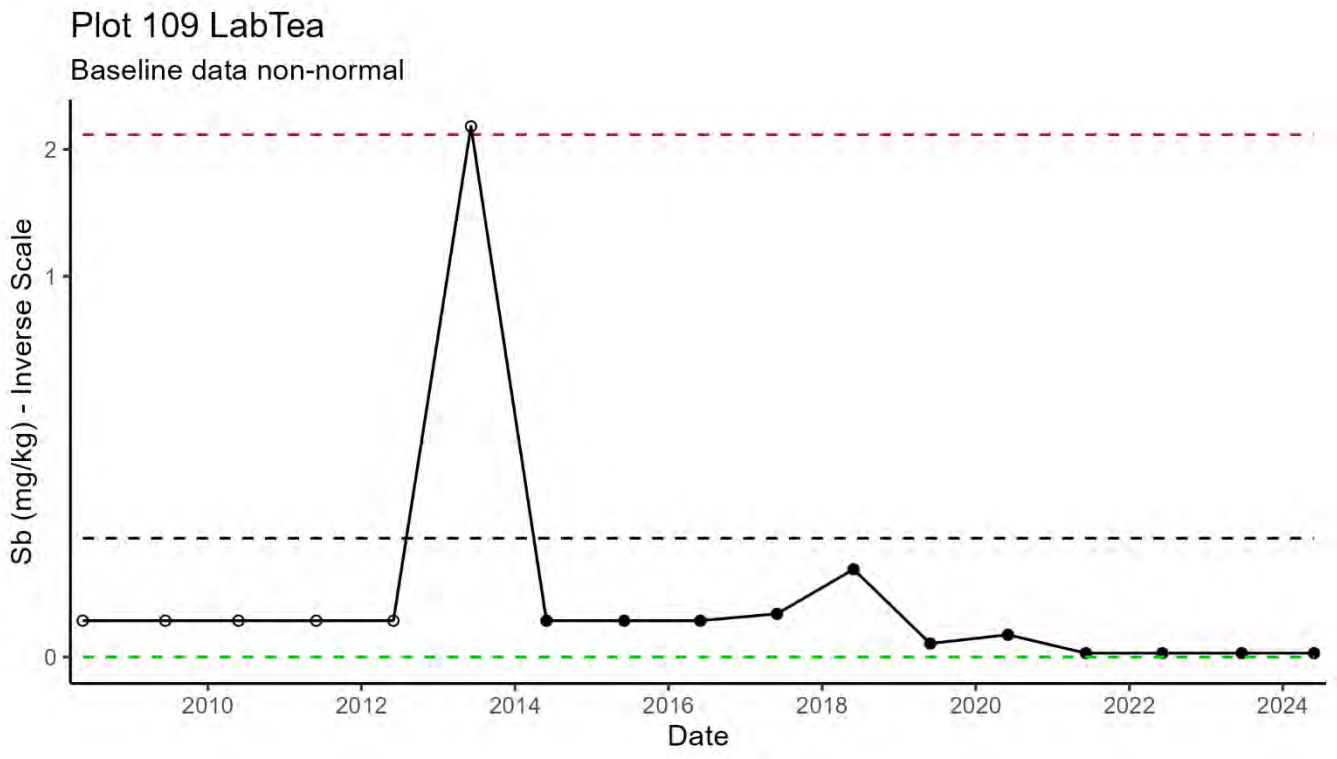
Figure F.30





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Antimony

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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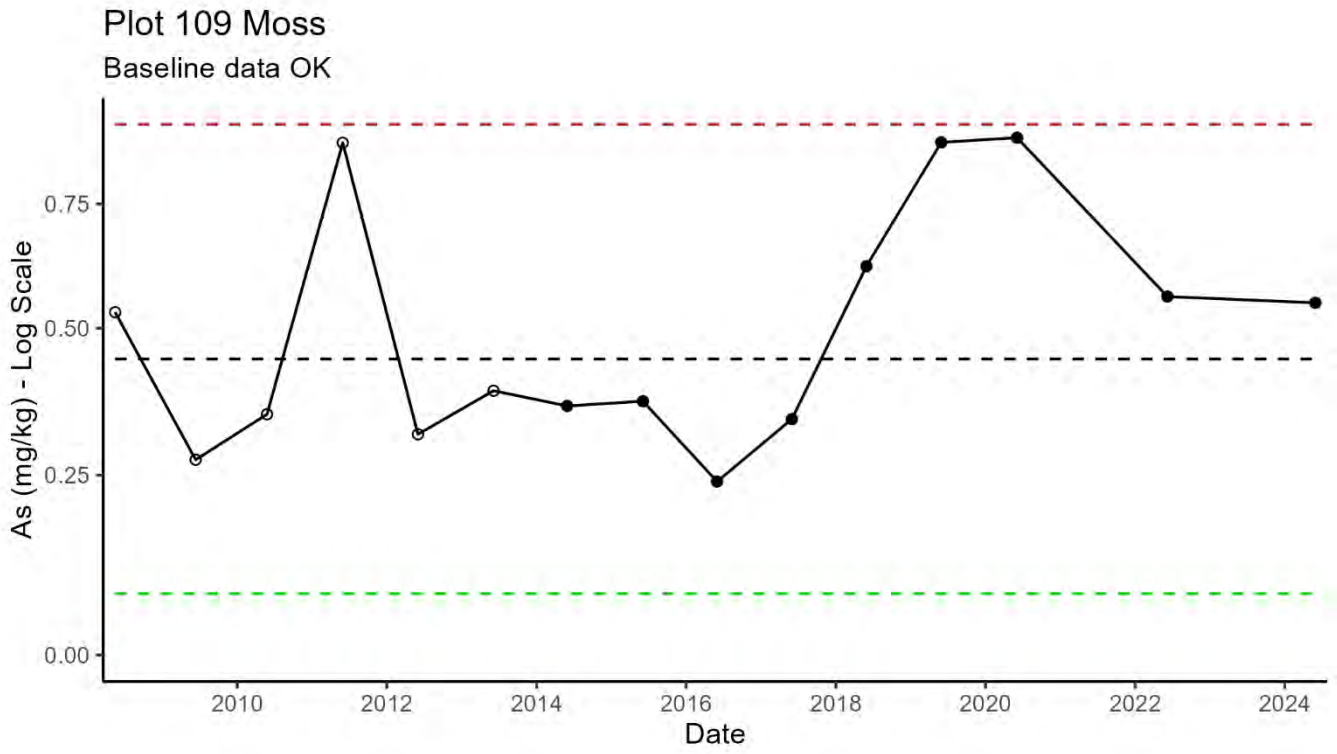
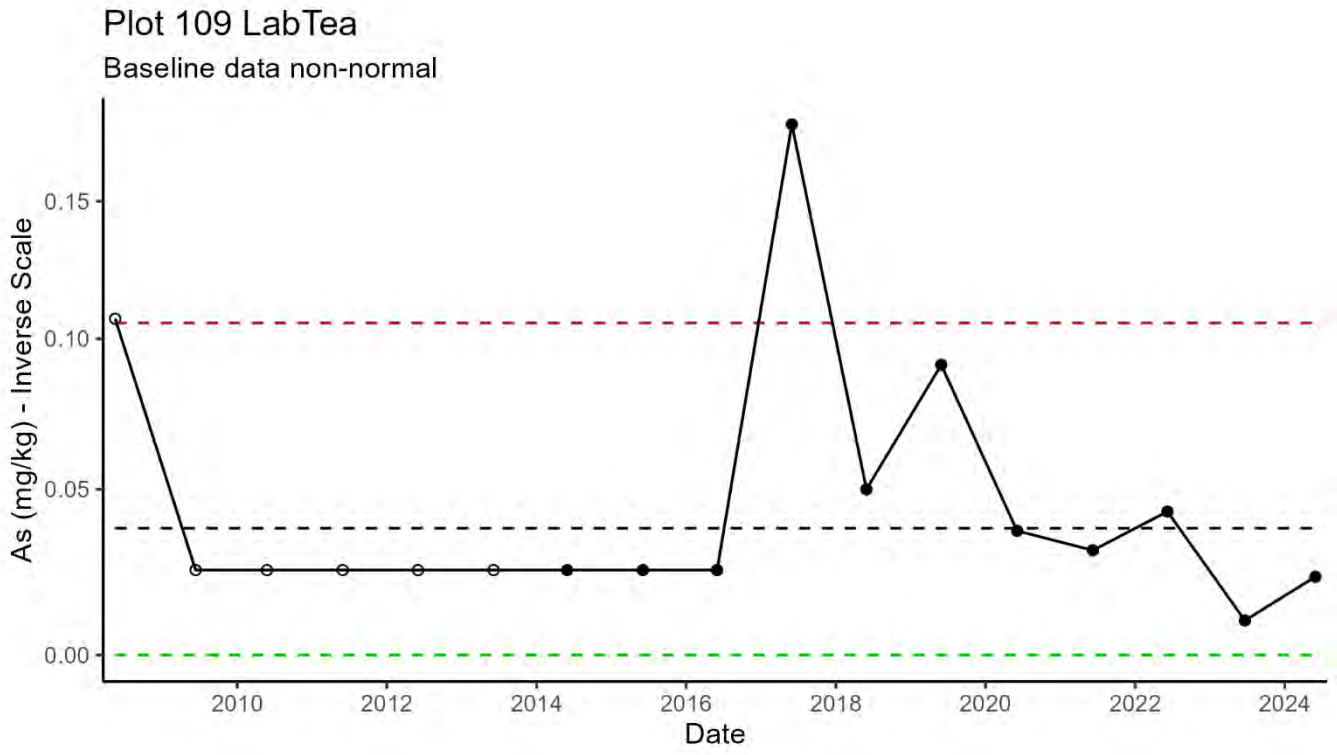
Figure F.31





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Arsenic

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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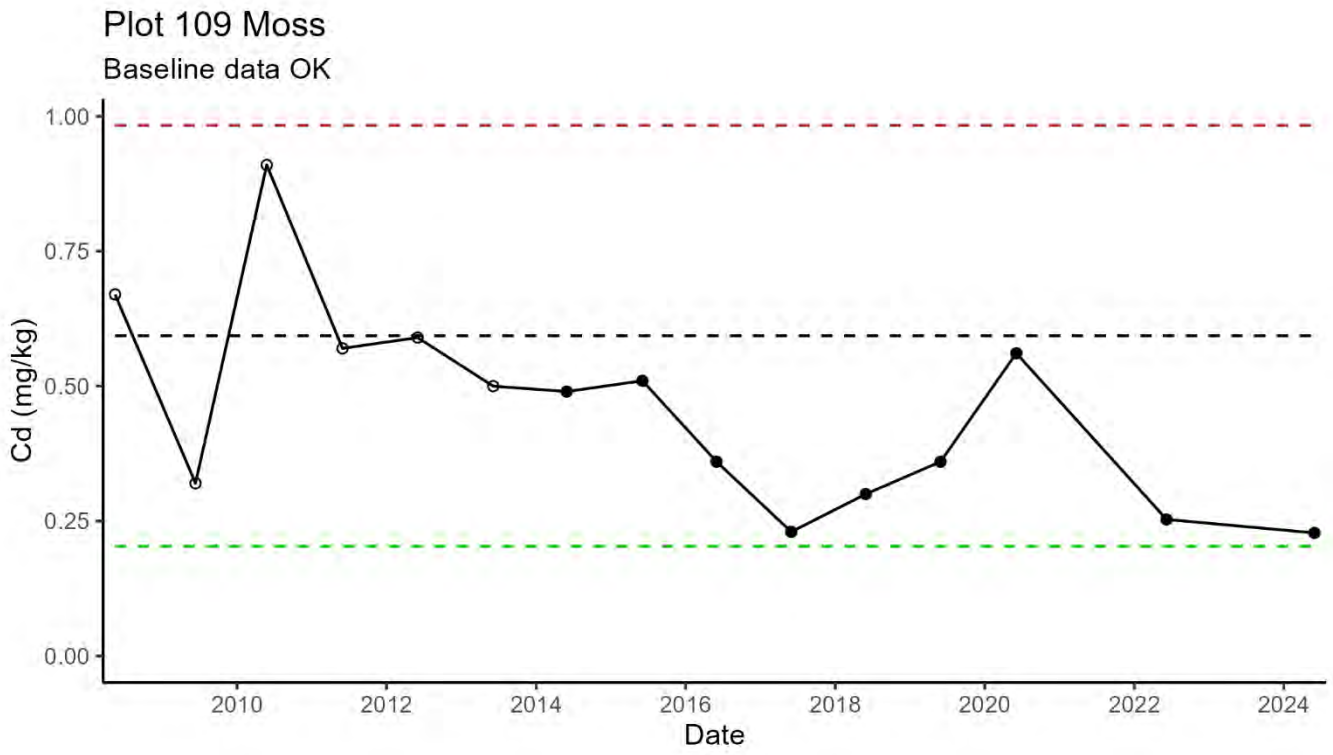
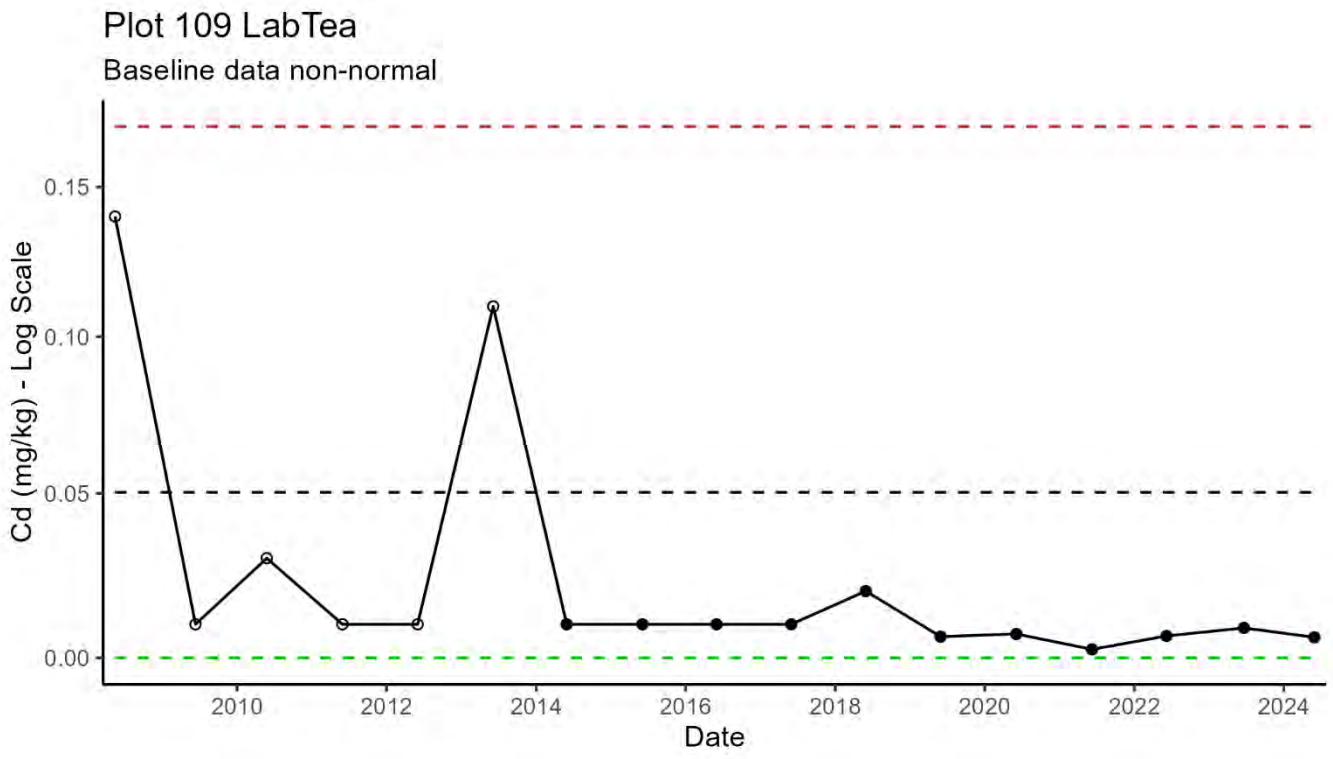
Figure F.32





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Cadmium

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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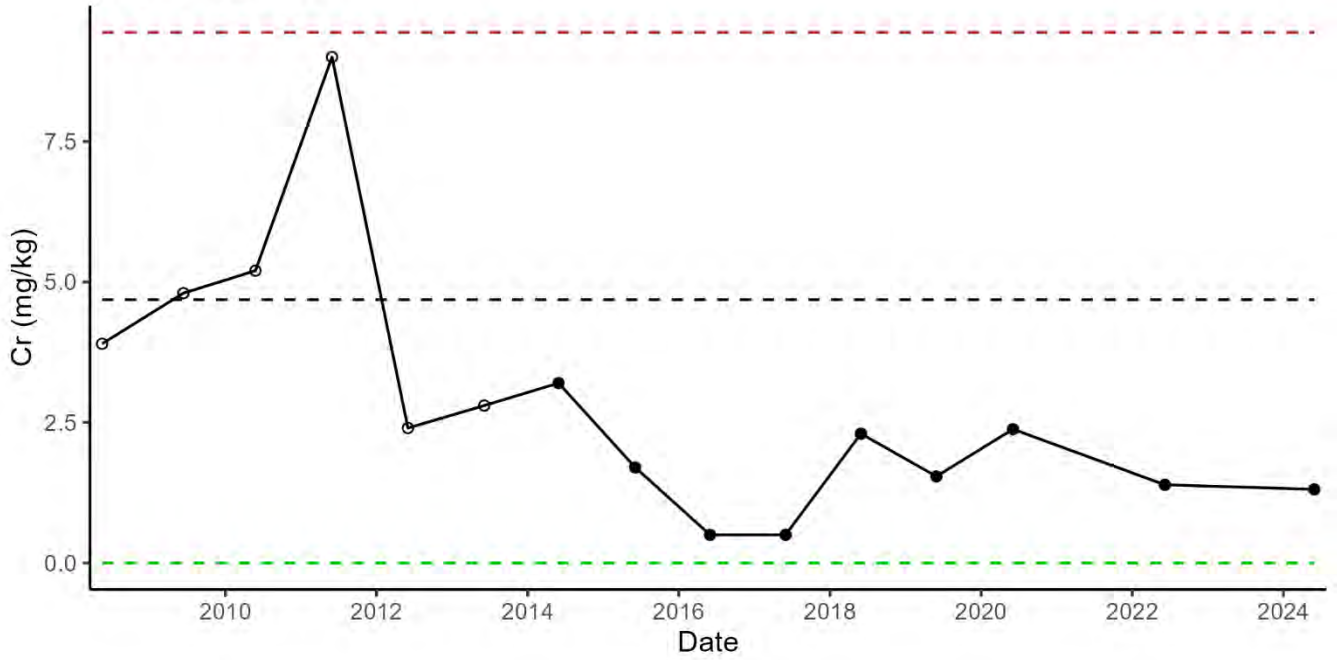
Figure **F.33**

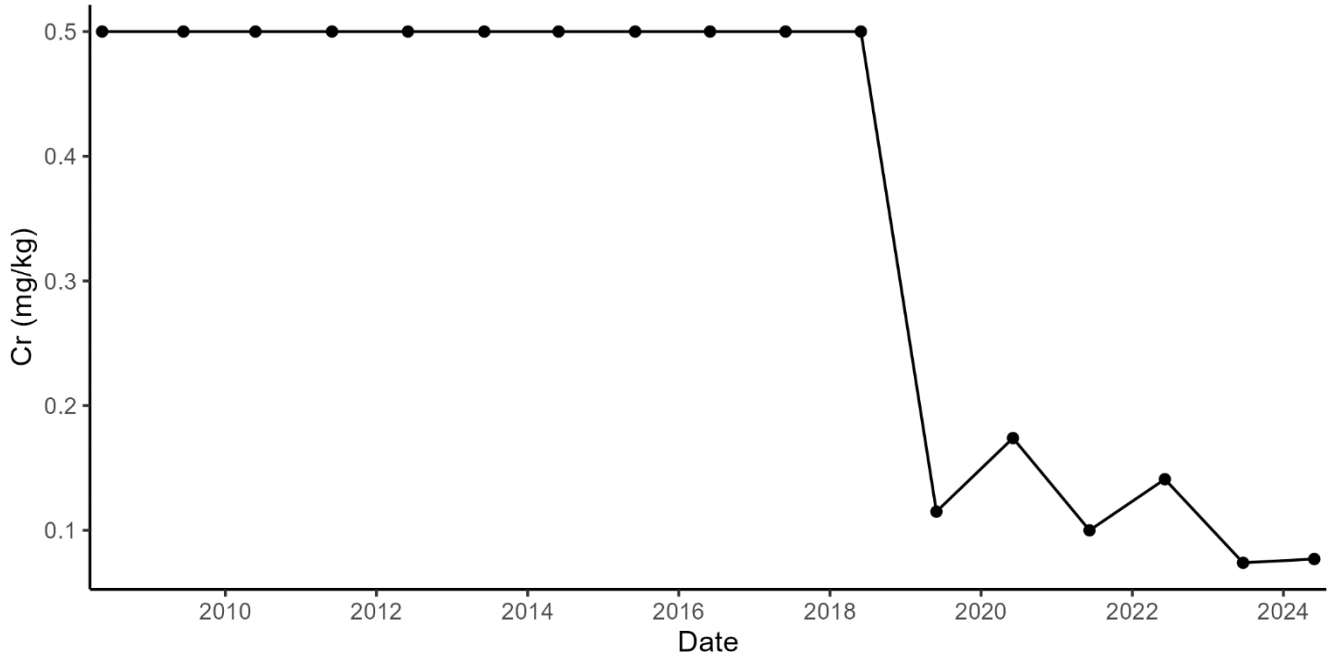
Plot 109 Moss

Baseline data OK



Plot 109 LabTea

Baseline statistics were not estimated



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Chromium

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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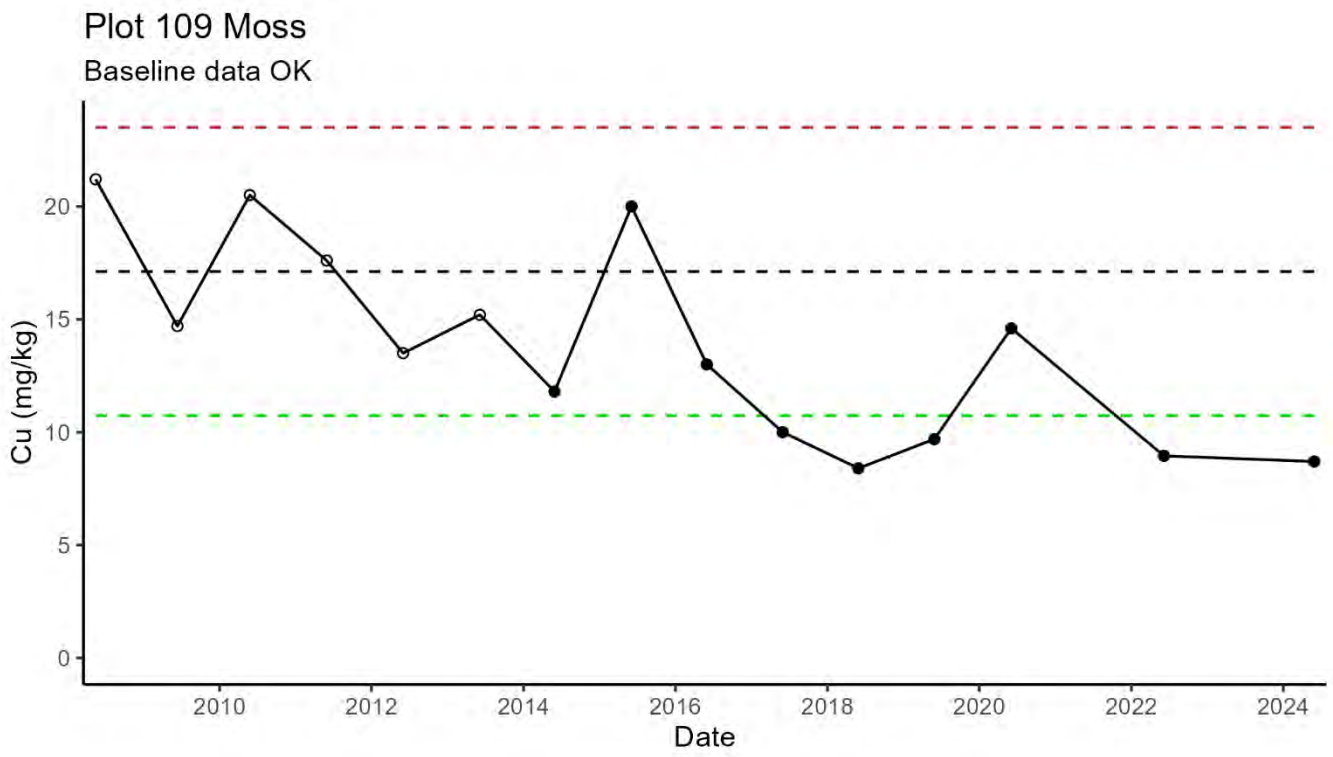
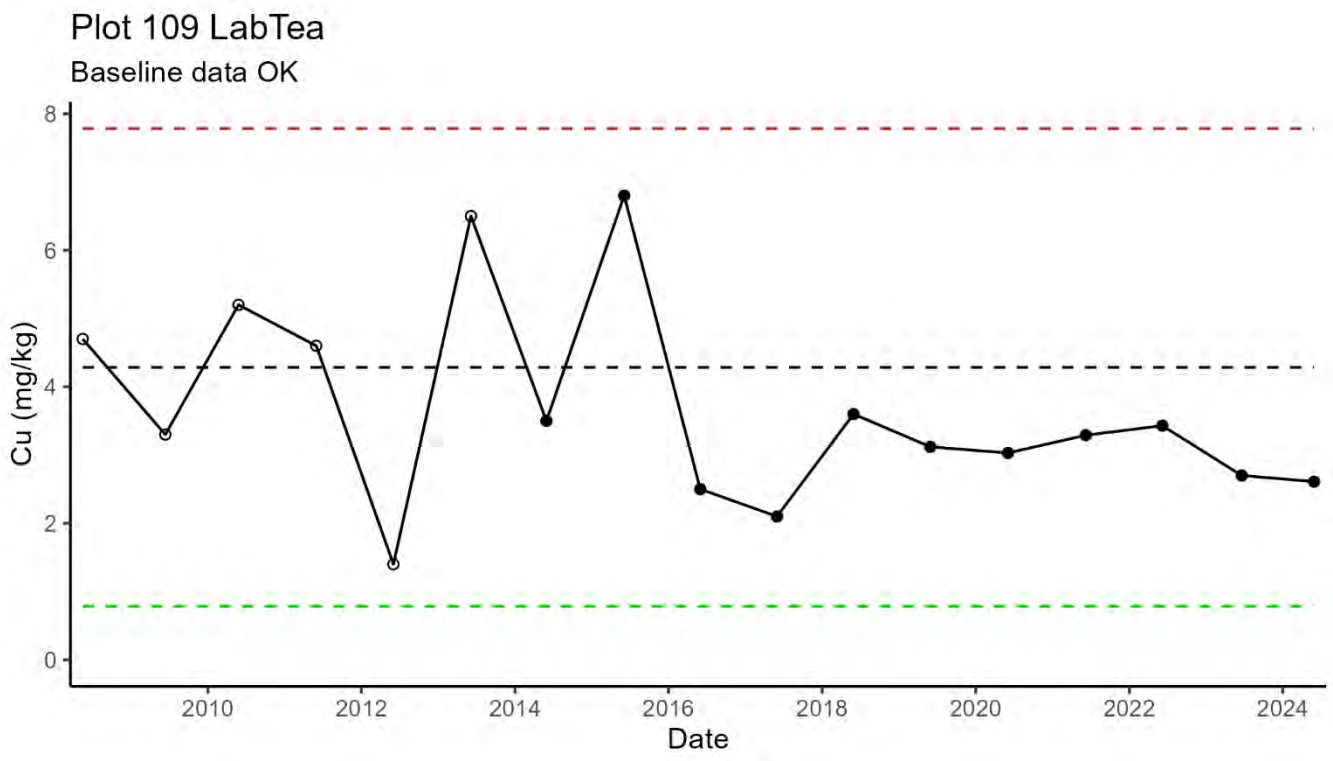
Figure F.34





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Copper

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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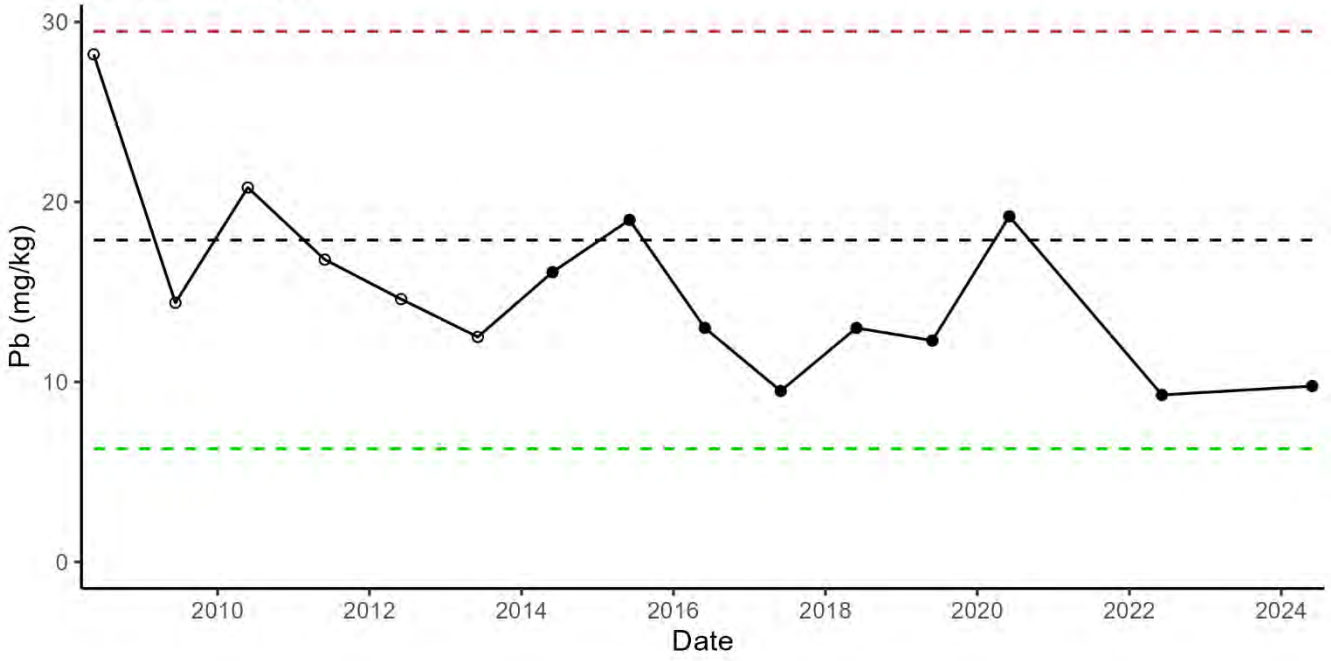
Figure **F.35**

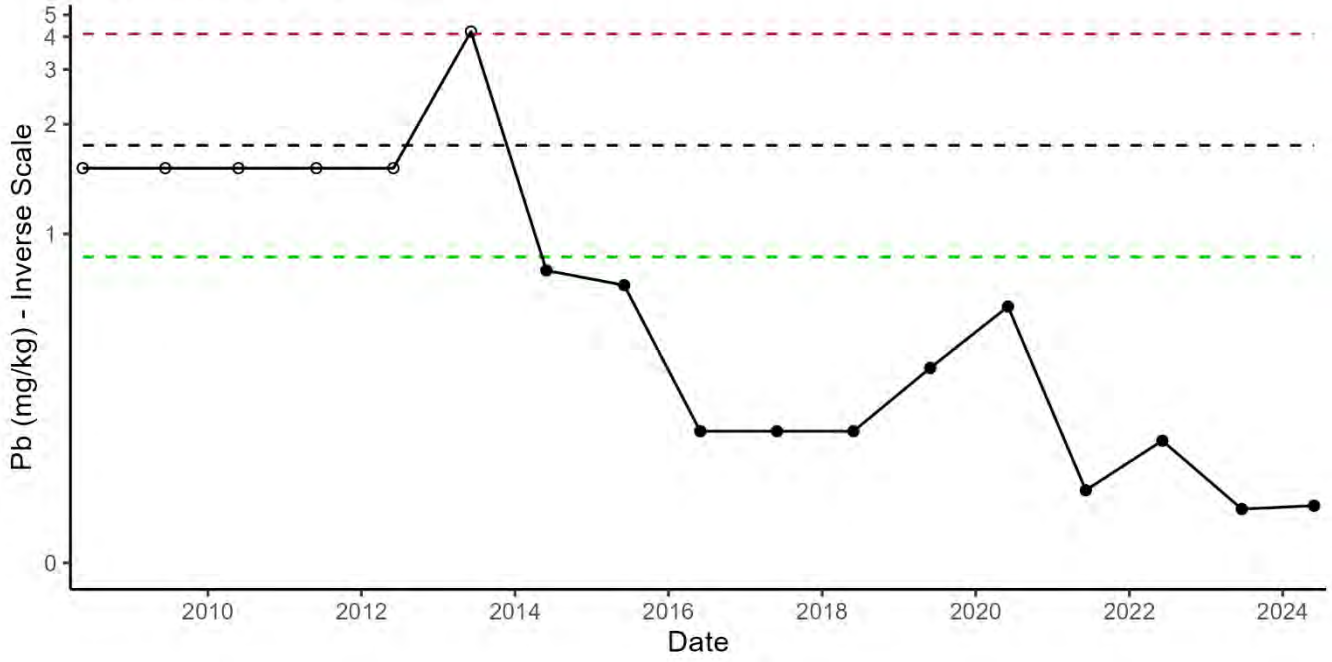
Plot 109 Moss

Baseline data OK



Plot 109 LabTea

Baseline data non-normal



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Lead

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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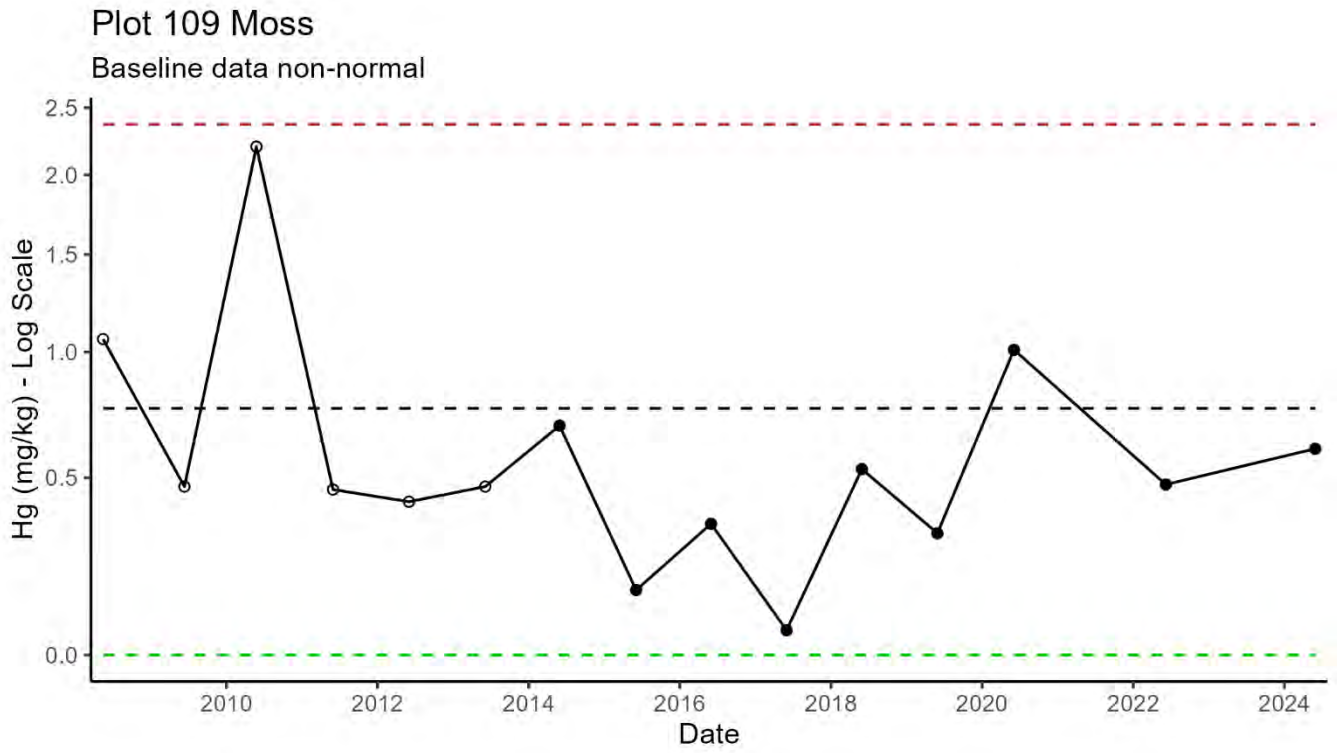
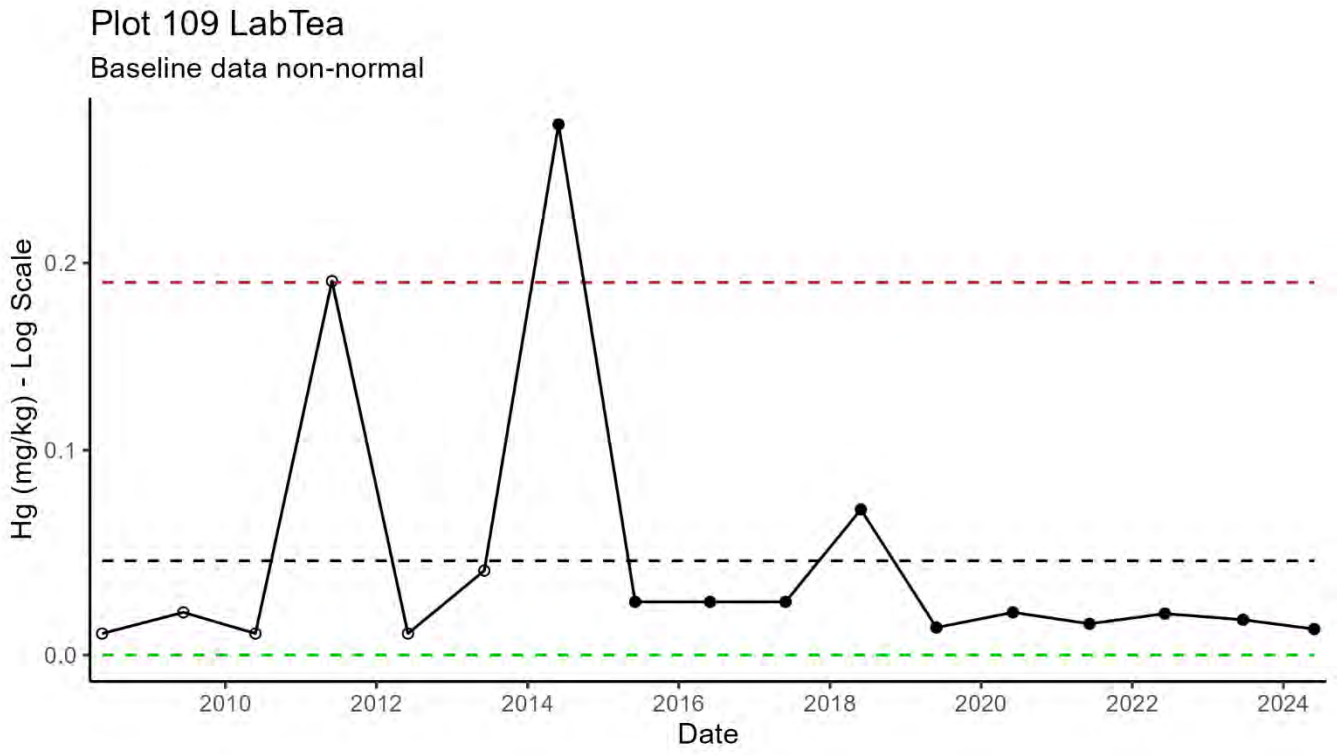
Figure **F.36**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mercury

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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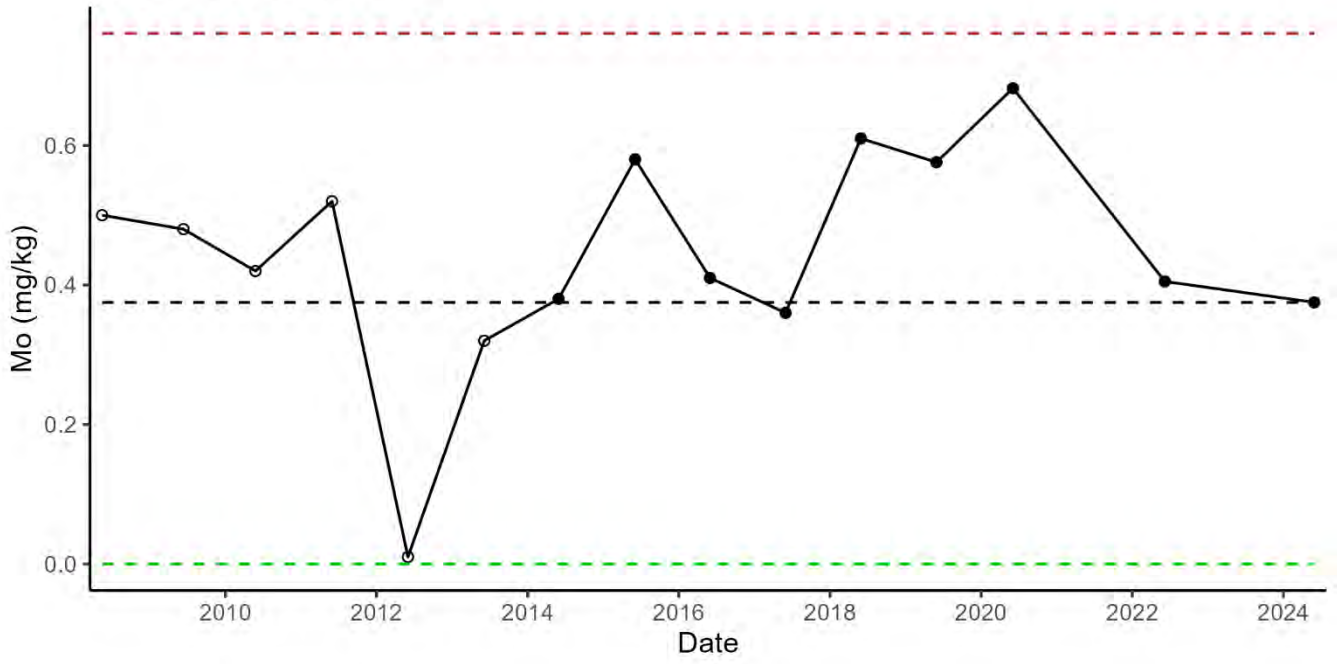
Figure **F.37**

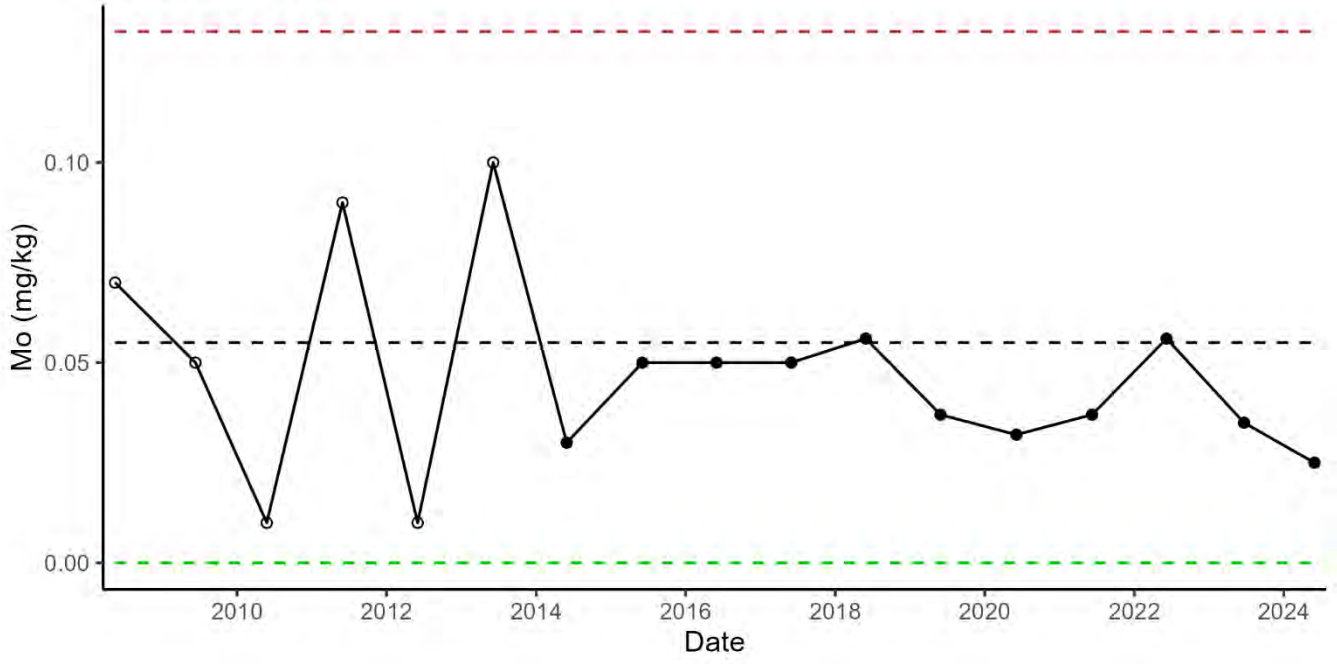
Plot 109 Moss

Baseline data non-normal



Plot 109 LabTea

Baseline data OK



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Molybdenum

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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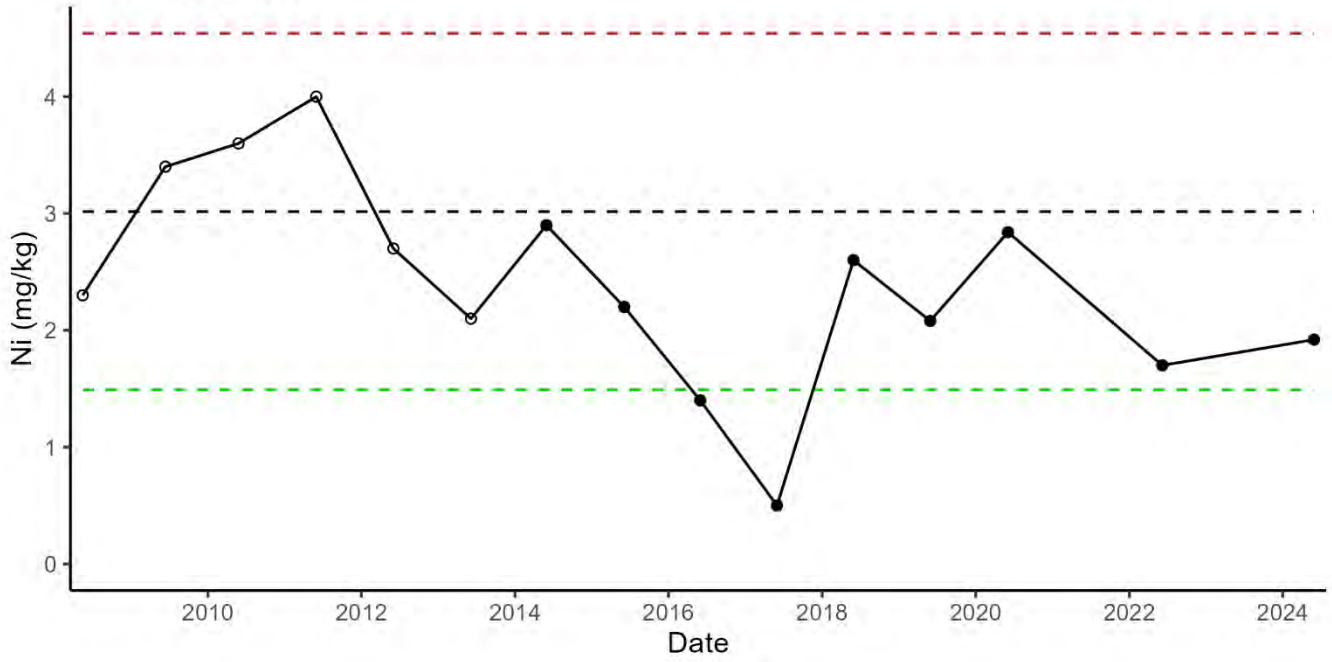
Figure F.38

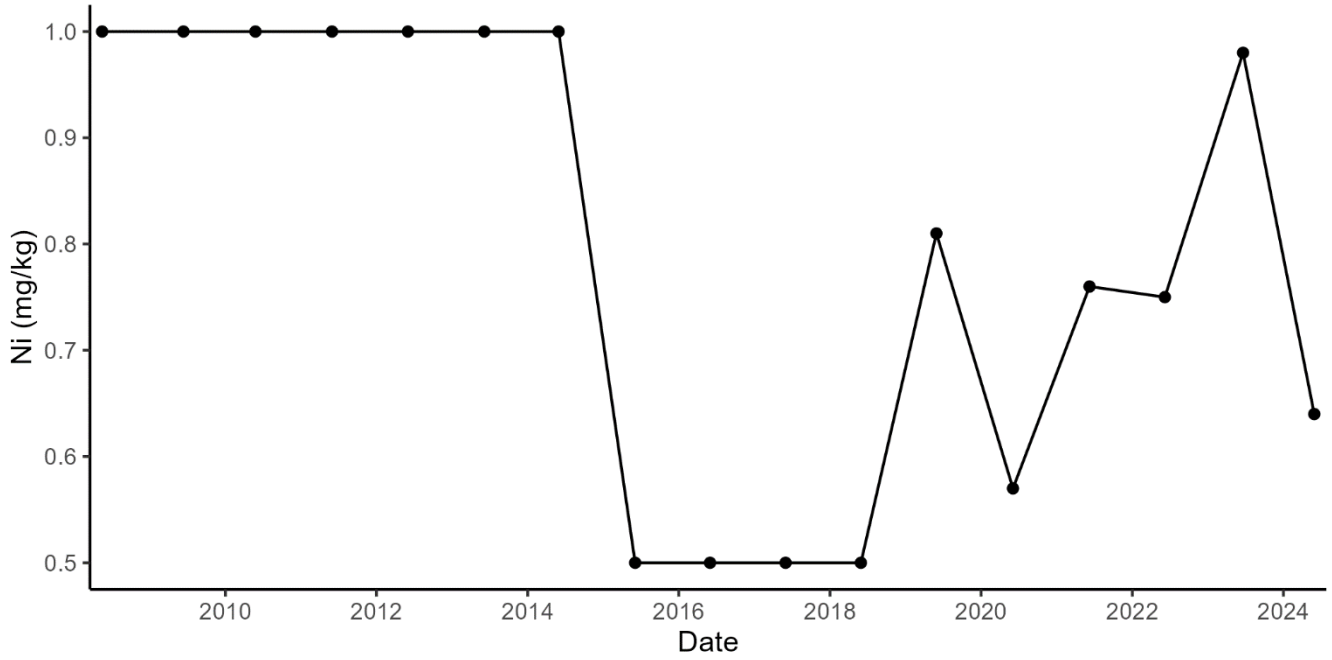
Plot 109 Moss

Baseline data OK



Plot 109 LabTea

Baseline statistics were not estimated



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Nickel

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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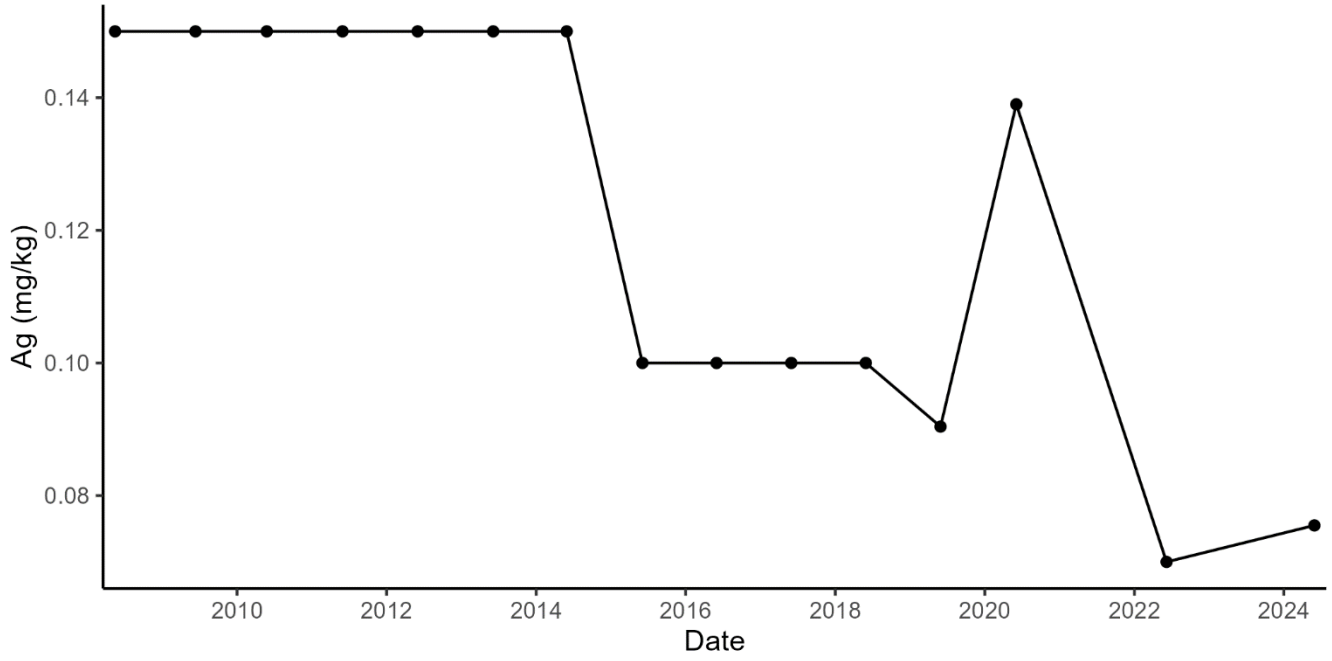
Figure F.39

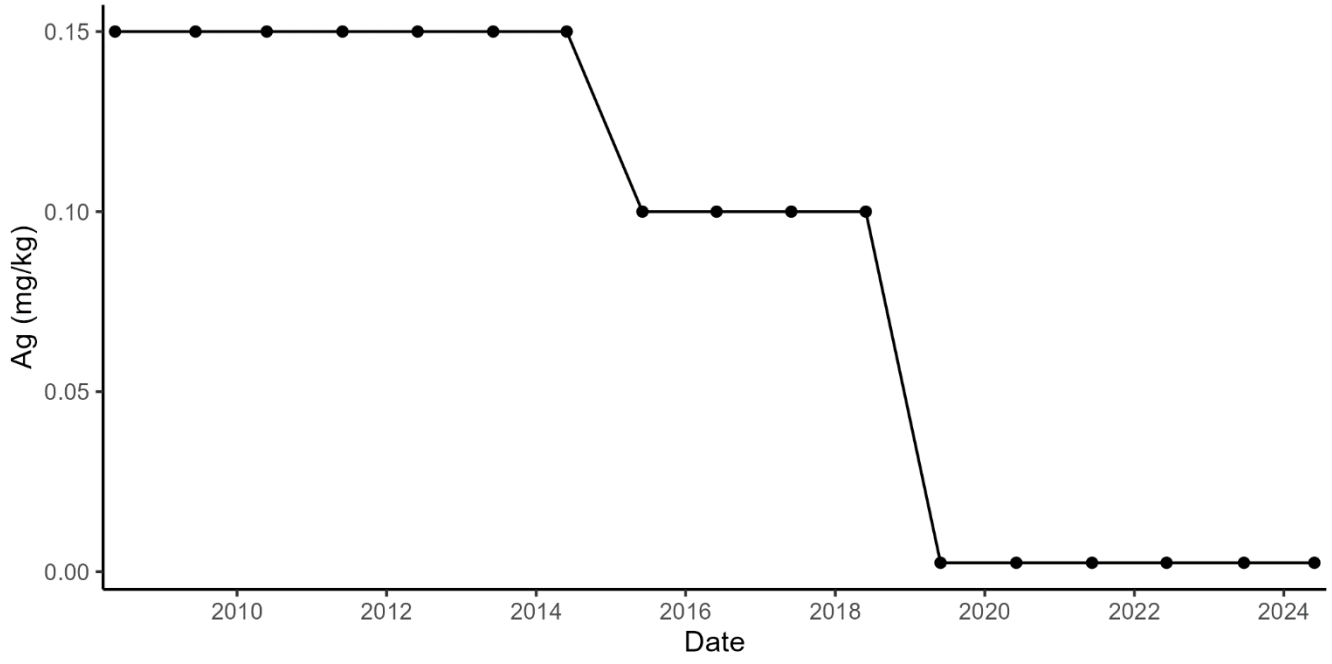
Plot 109 Moss

Baseline statistics were not estimated



Plot 109 LabTea

Baseline statistics were not estimated



Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Silver

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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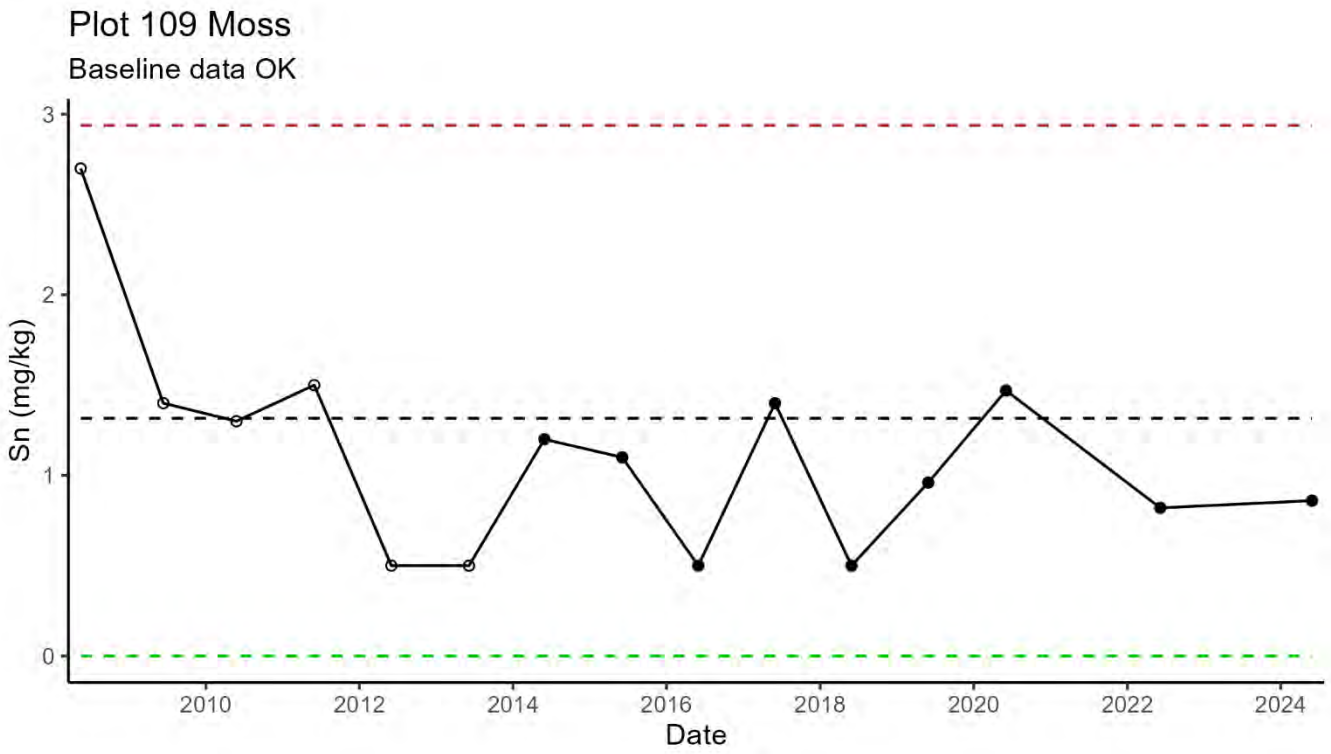
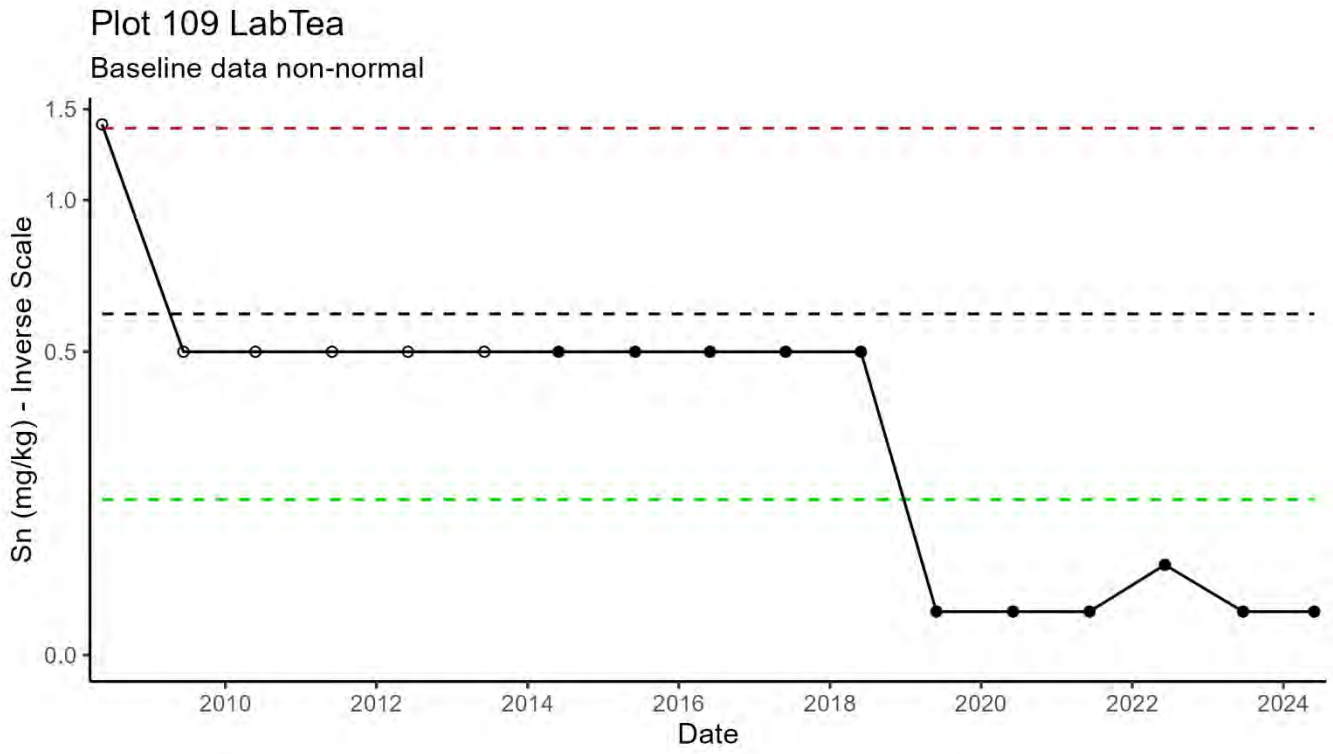
Figure **F.40**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Tin

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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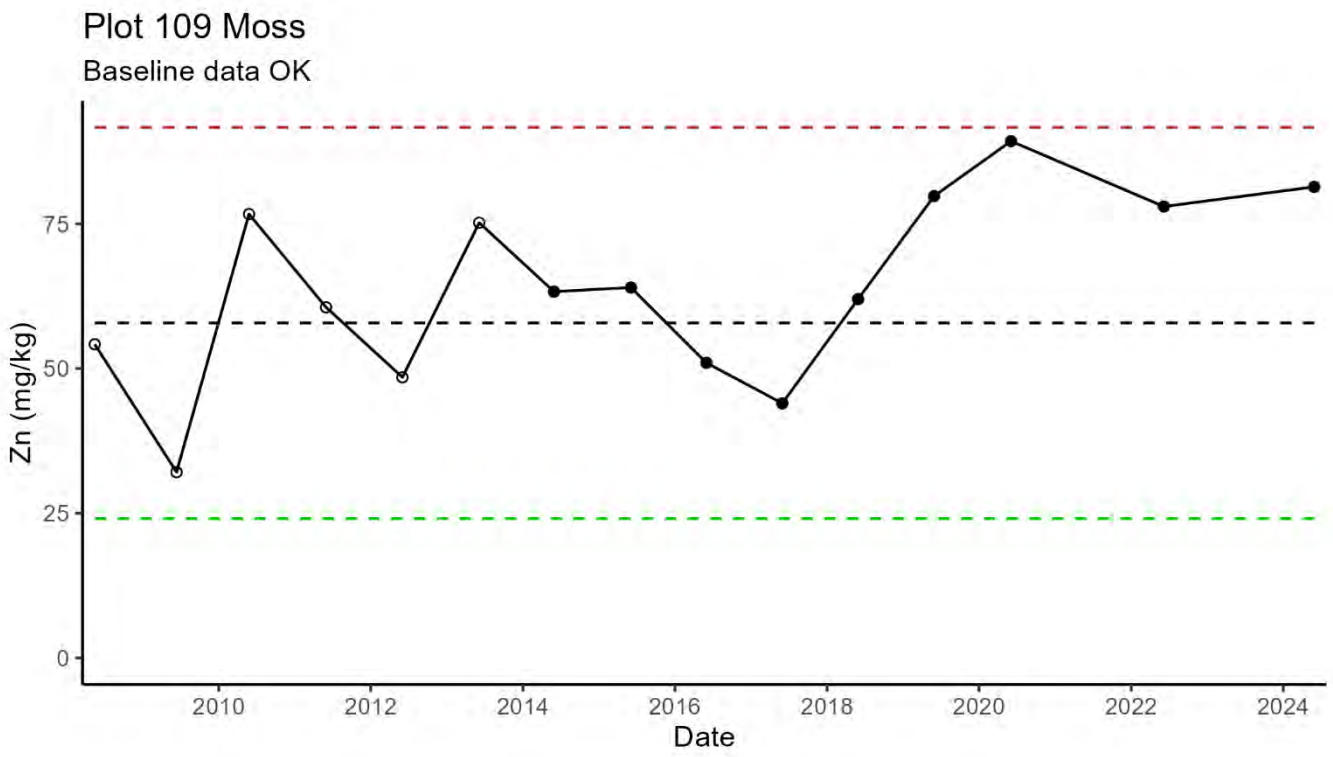
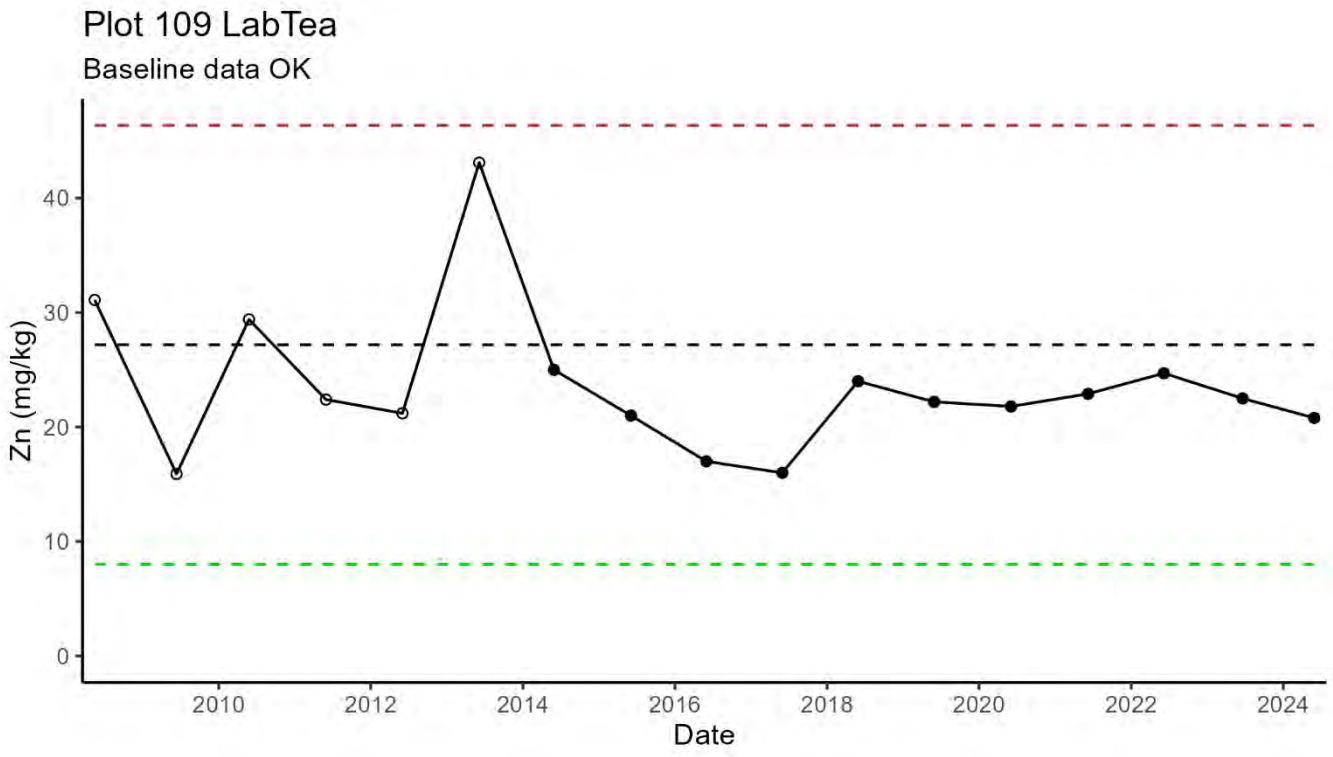
Figure **F.41**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Zinc

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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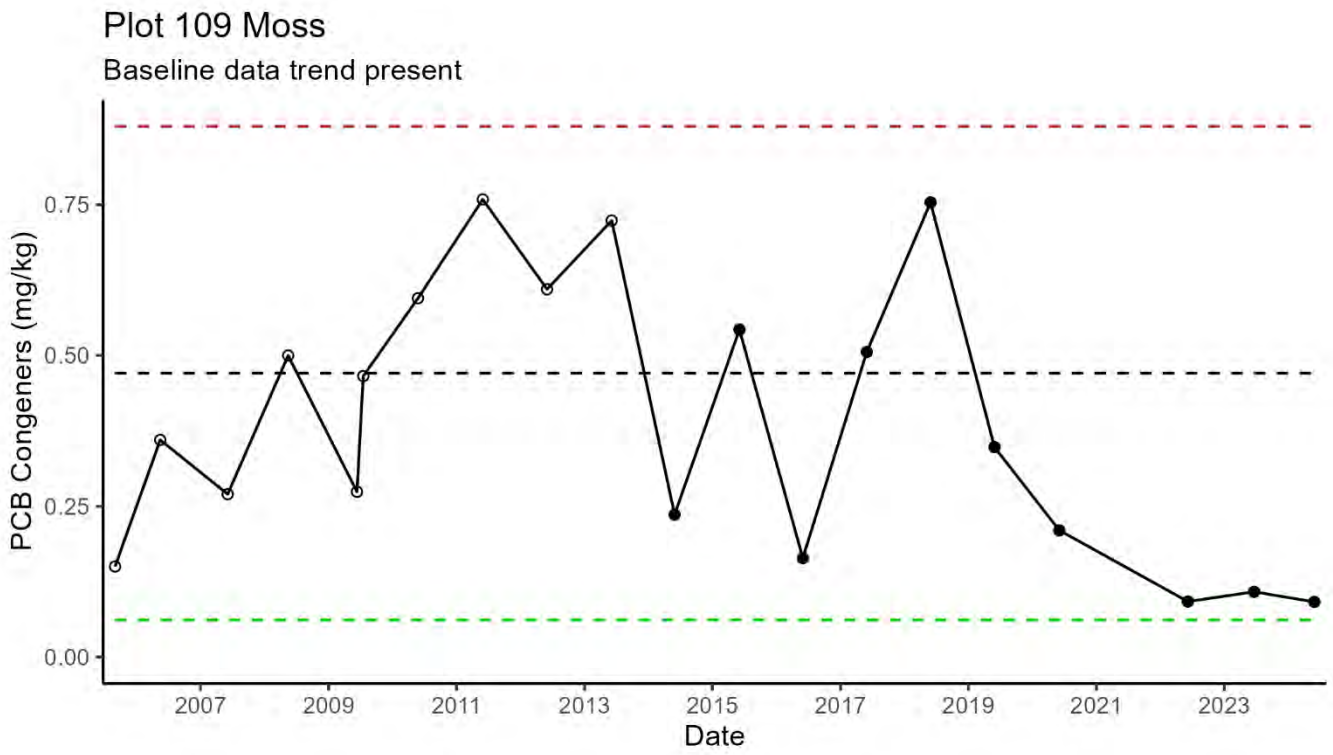
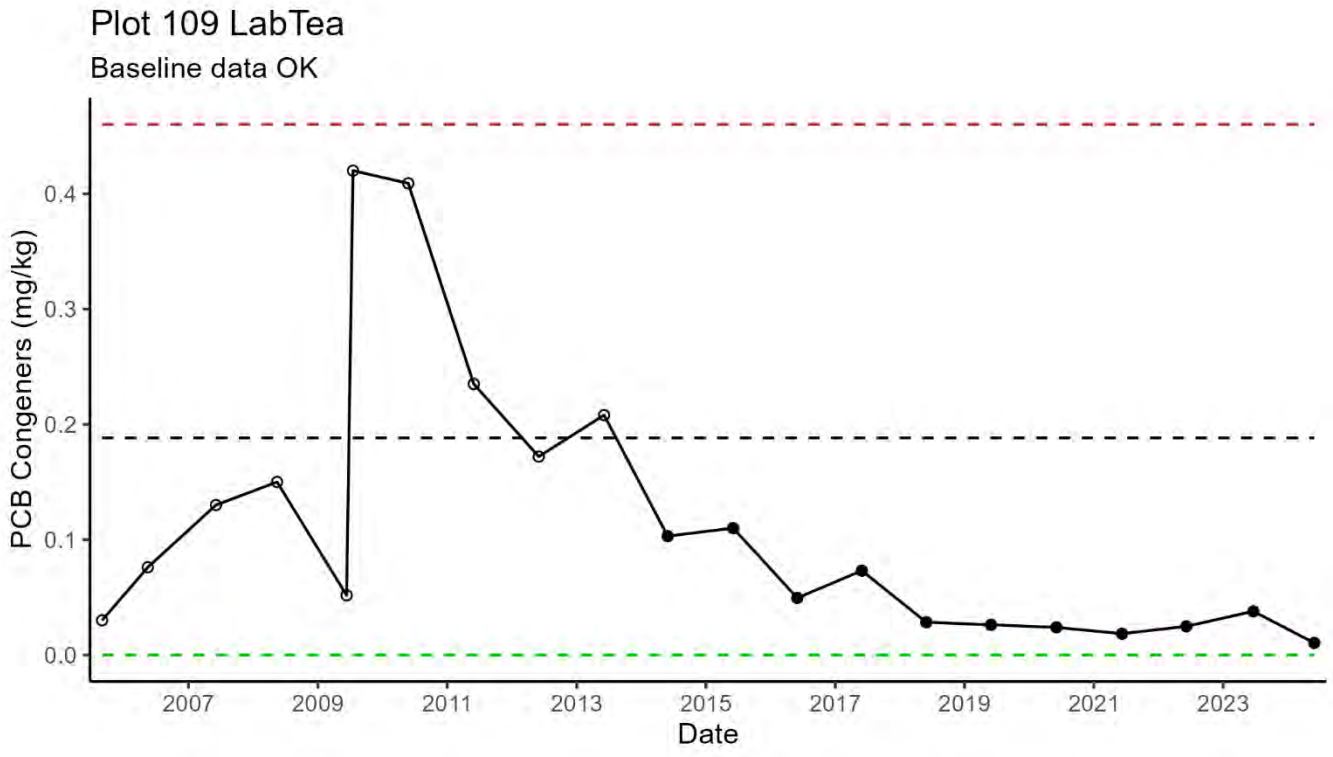
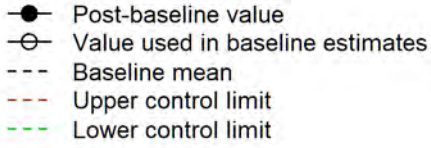
Figure **F.42**







MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB Congeners

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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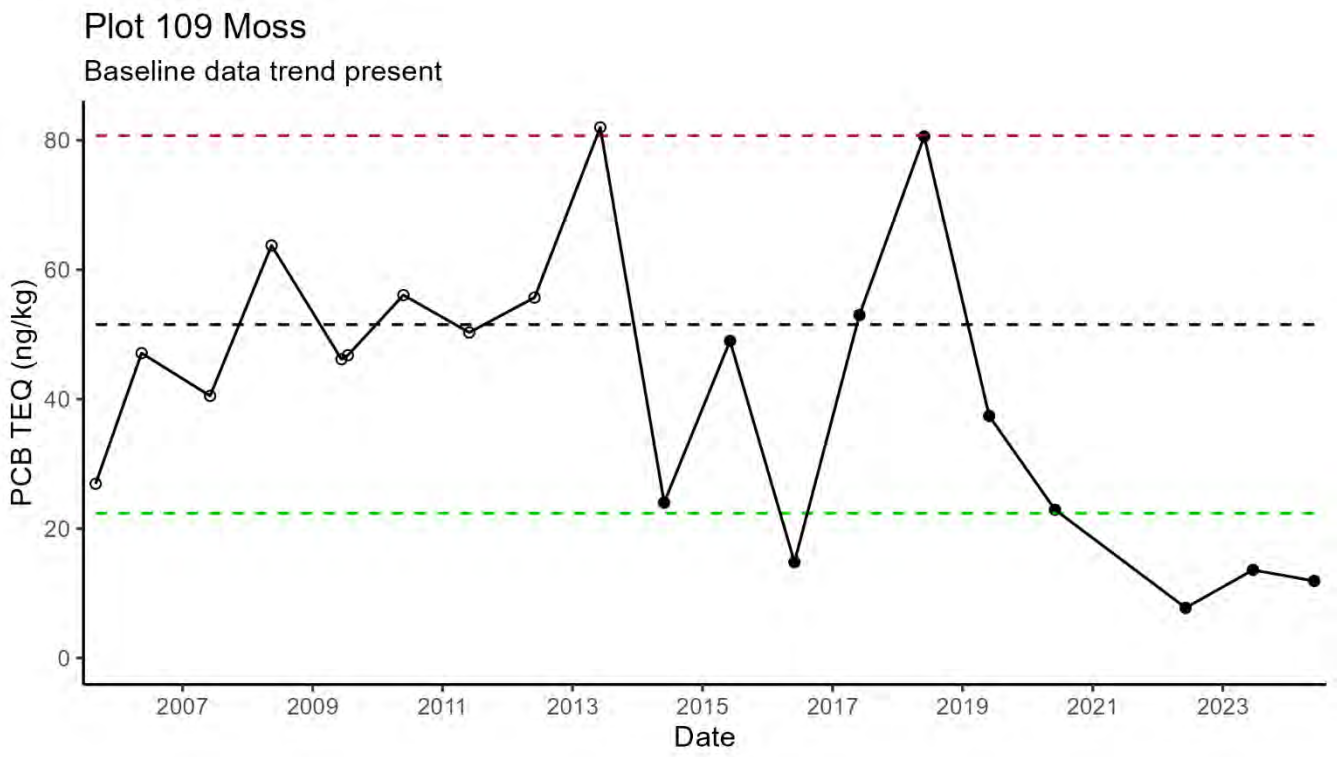
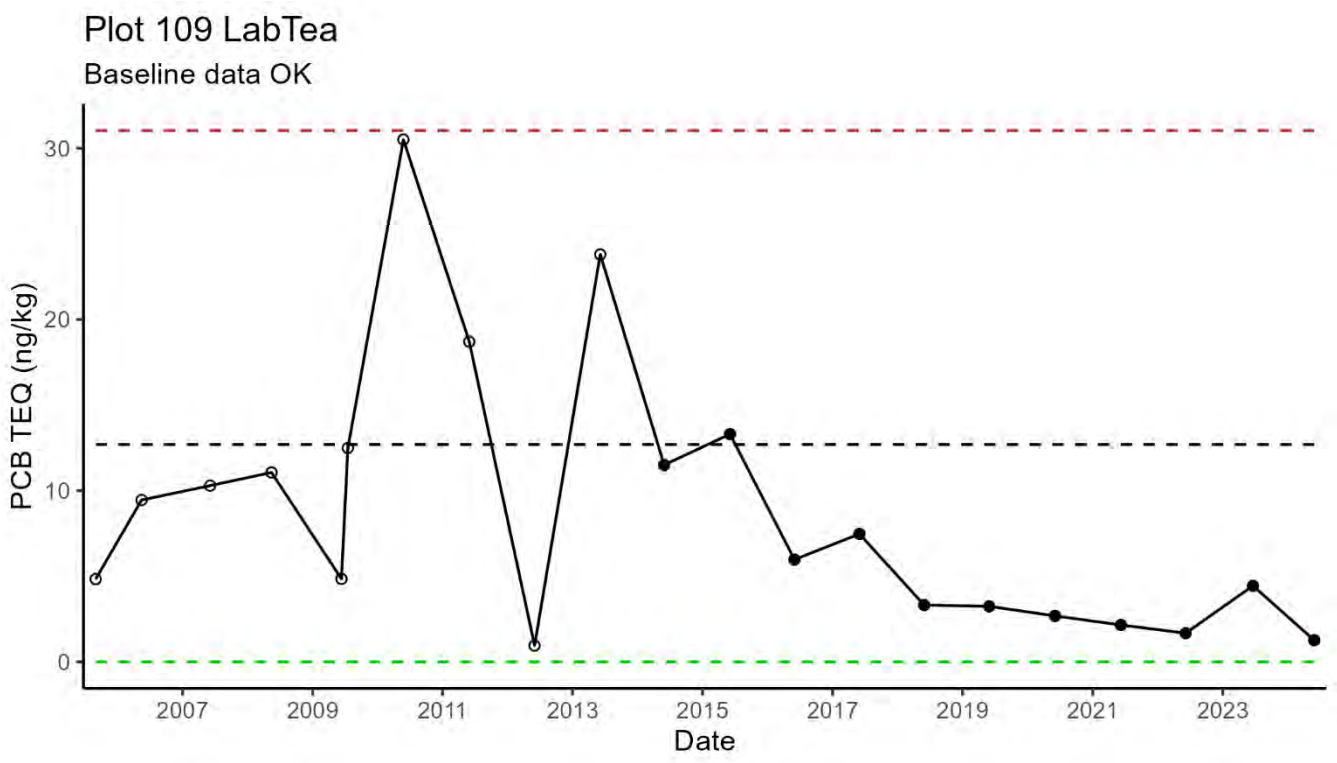
Figure **F.43**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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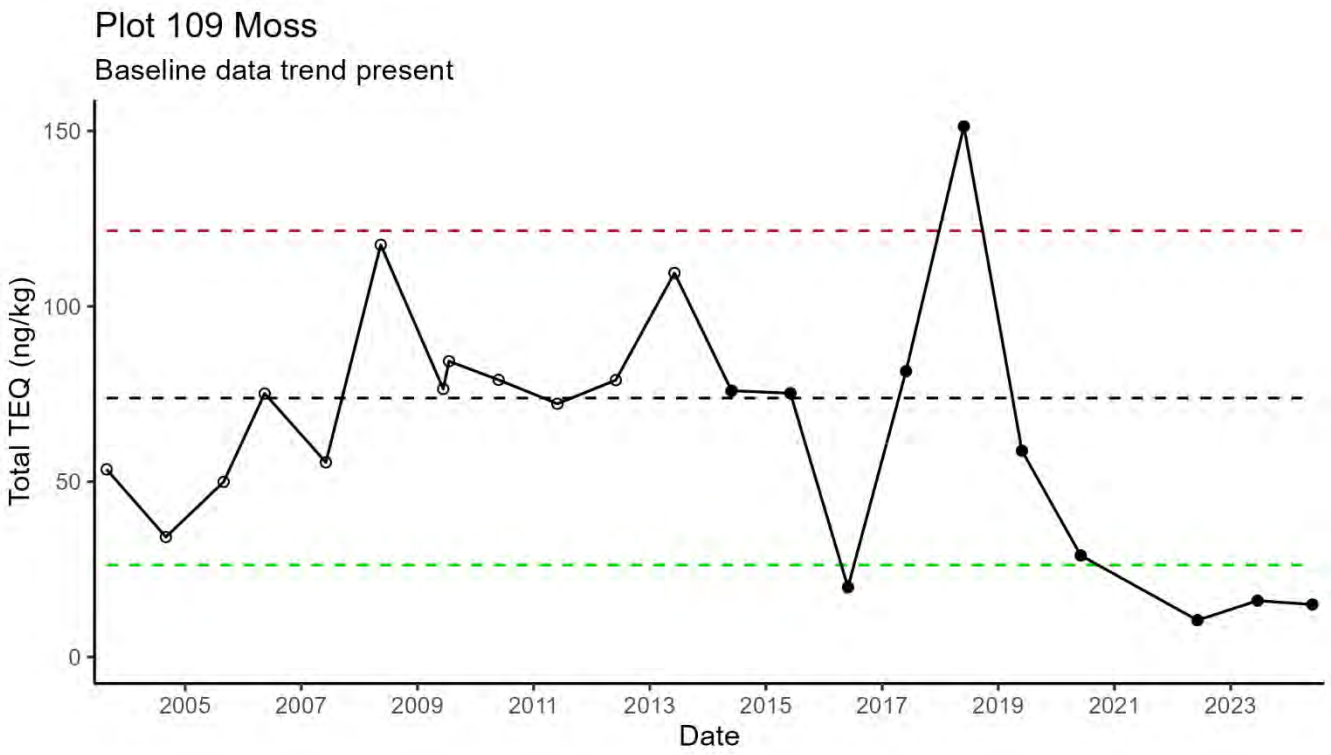
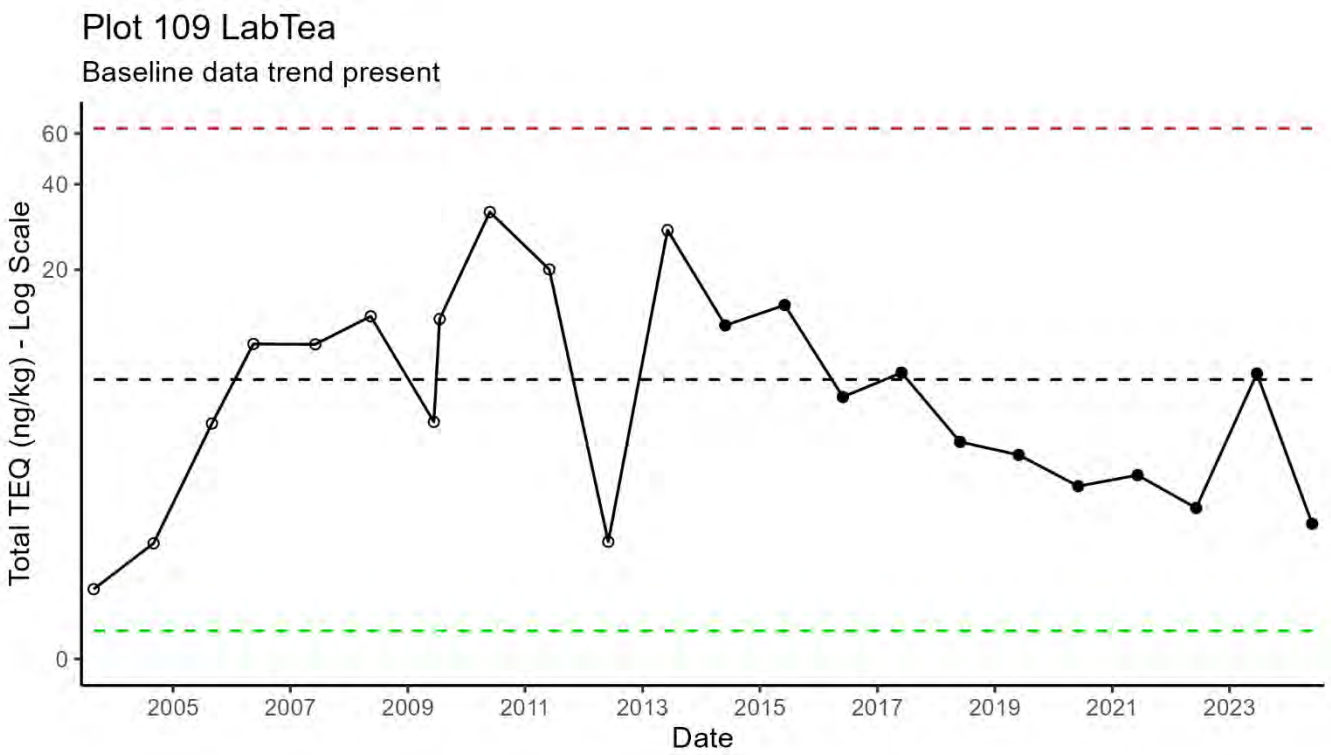
Figure **F.44**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Total TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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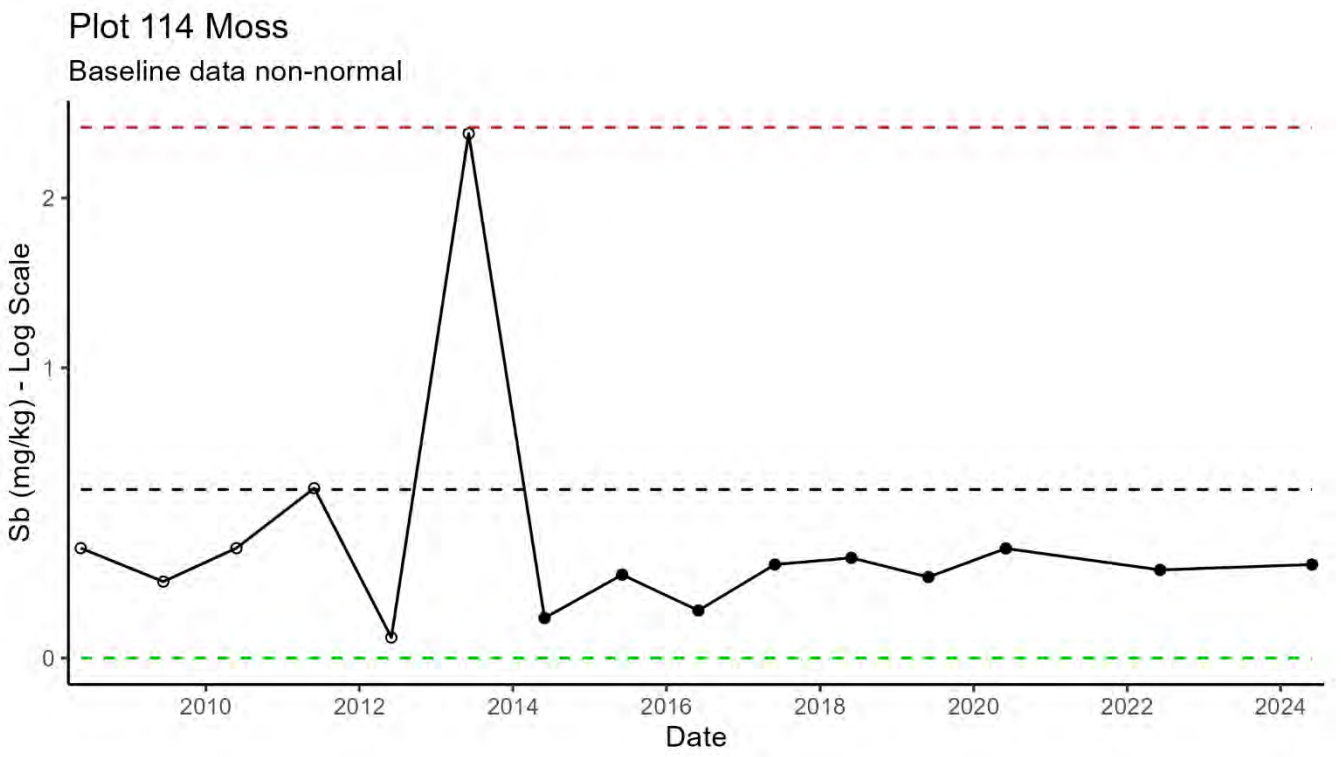
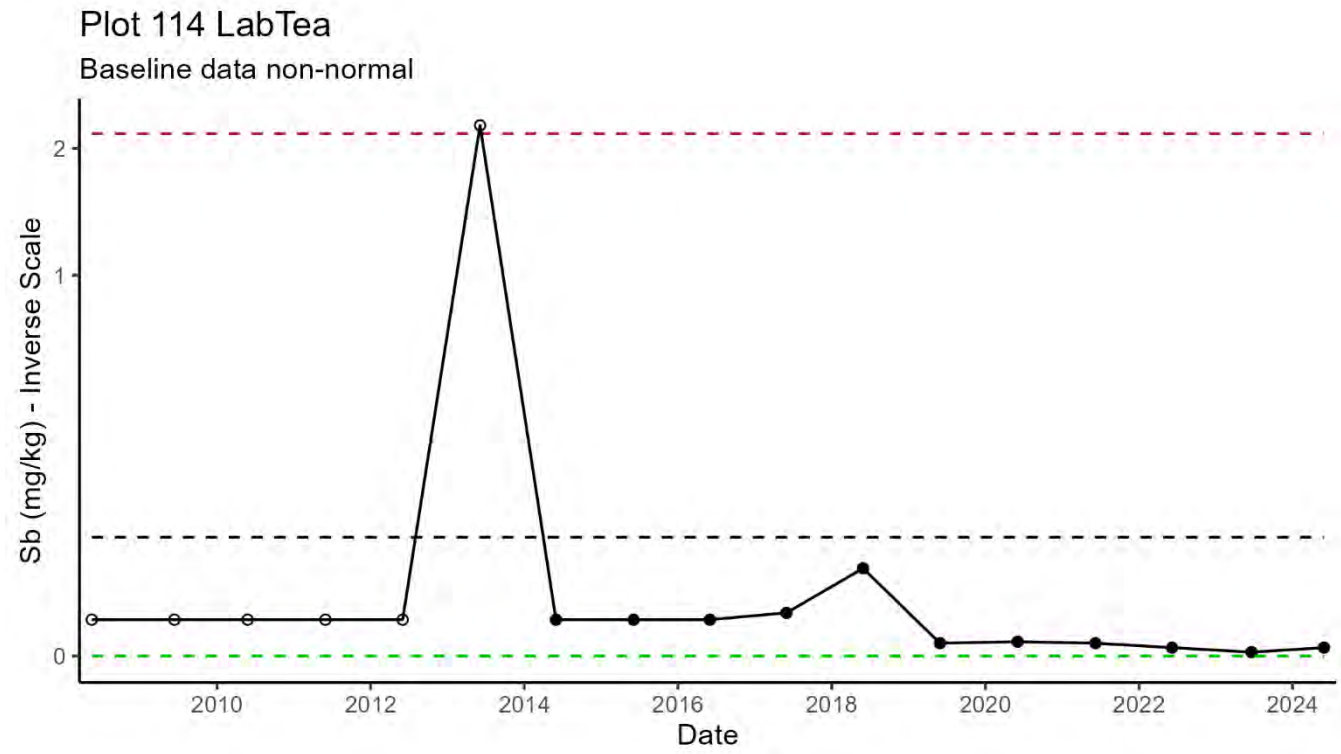
Figure **F.45**





- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Antimony

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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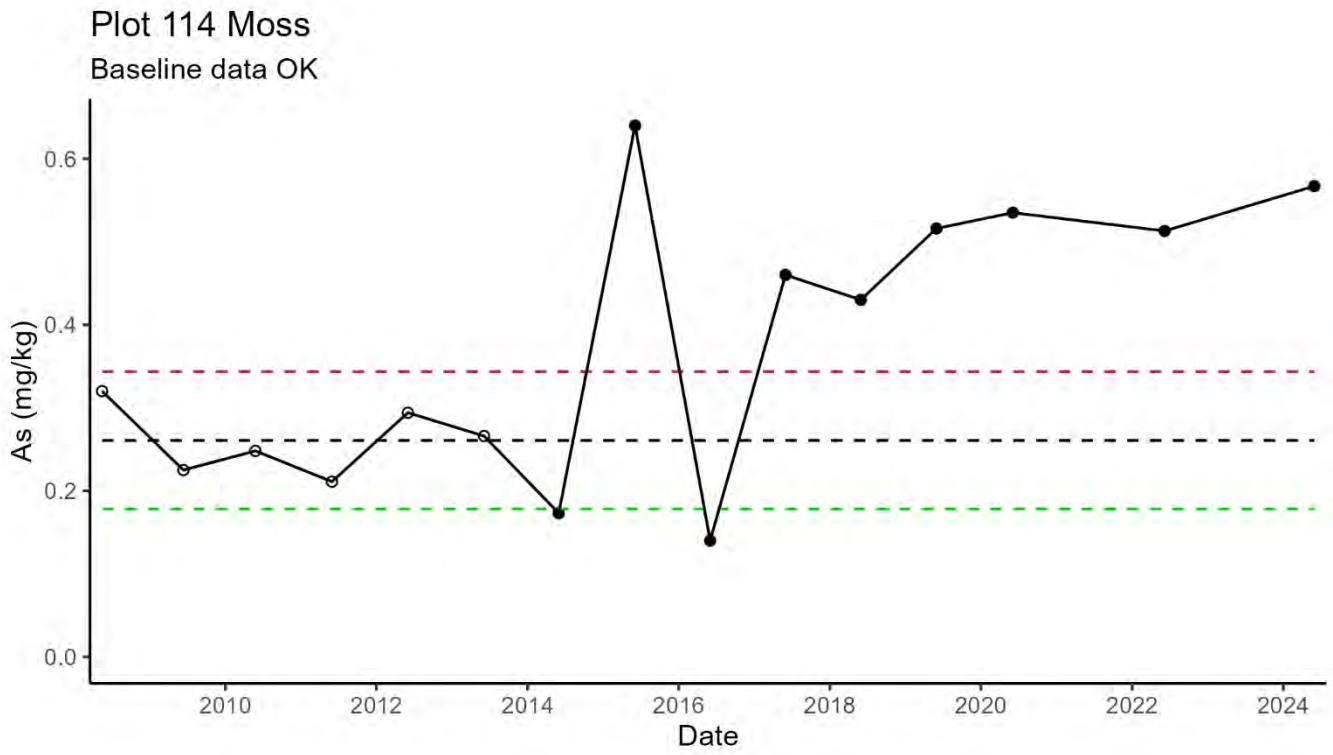
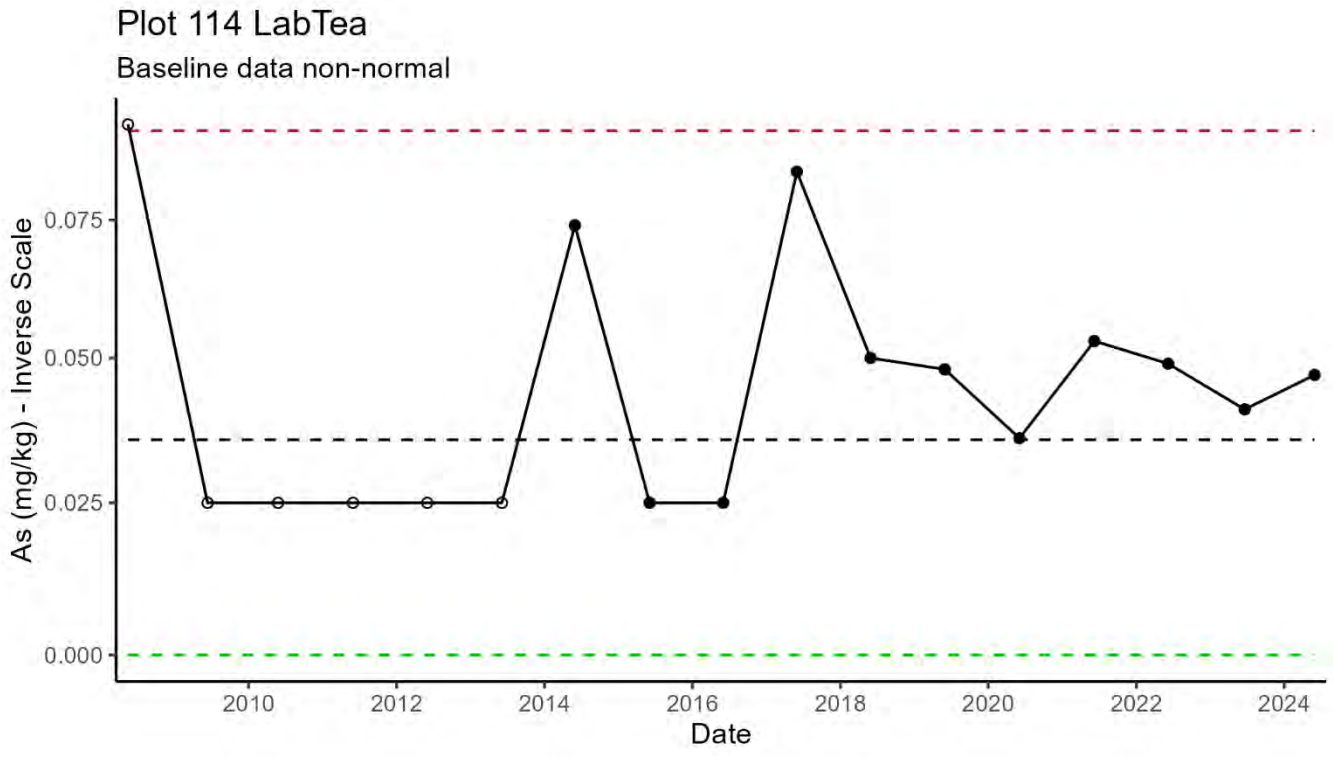
Figure **F.46**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Arsenic

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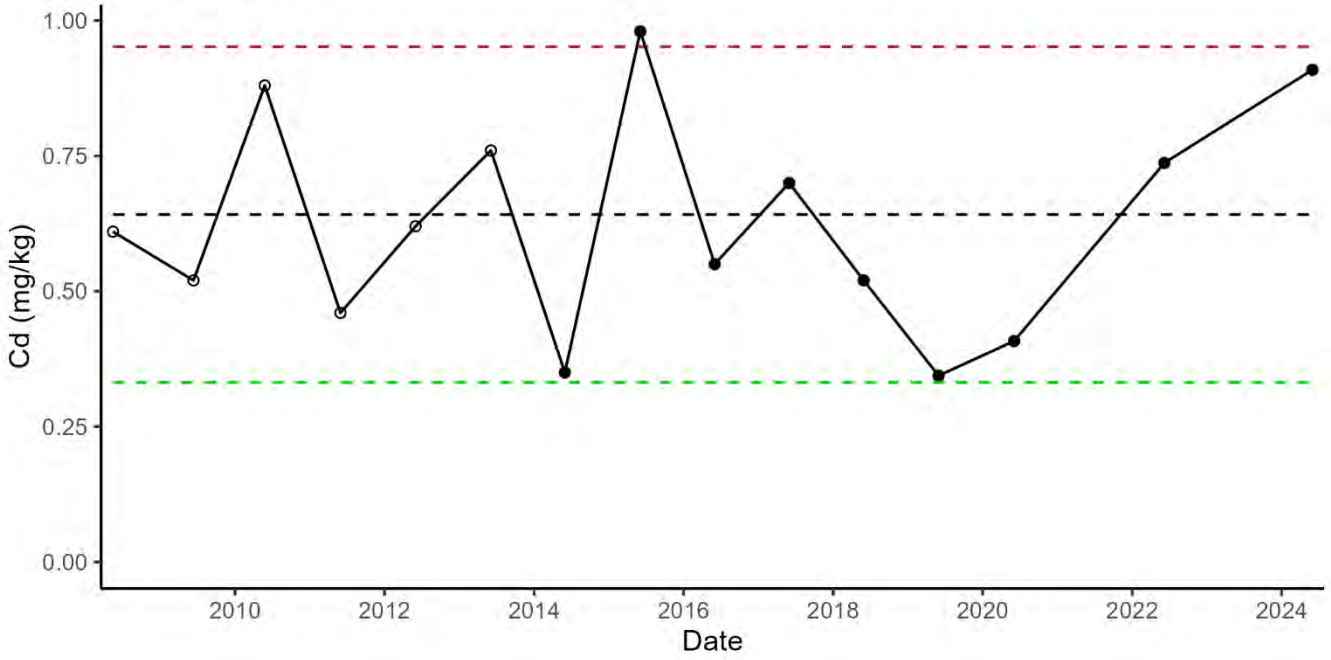
Figure **F.47**

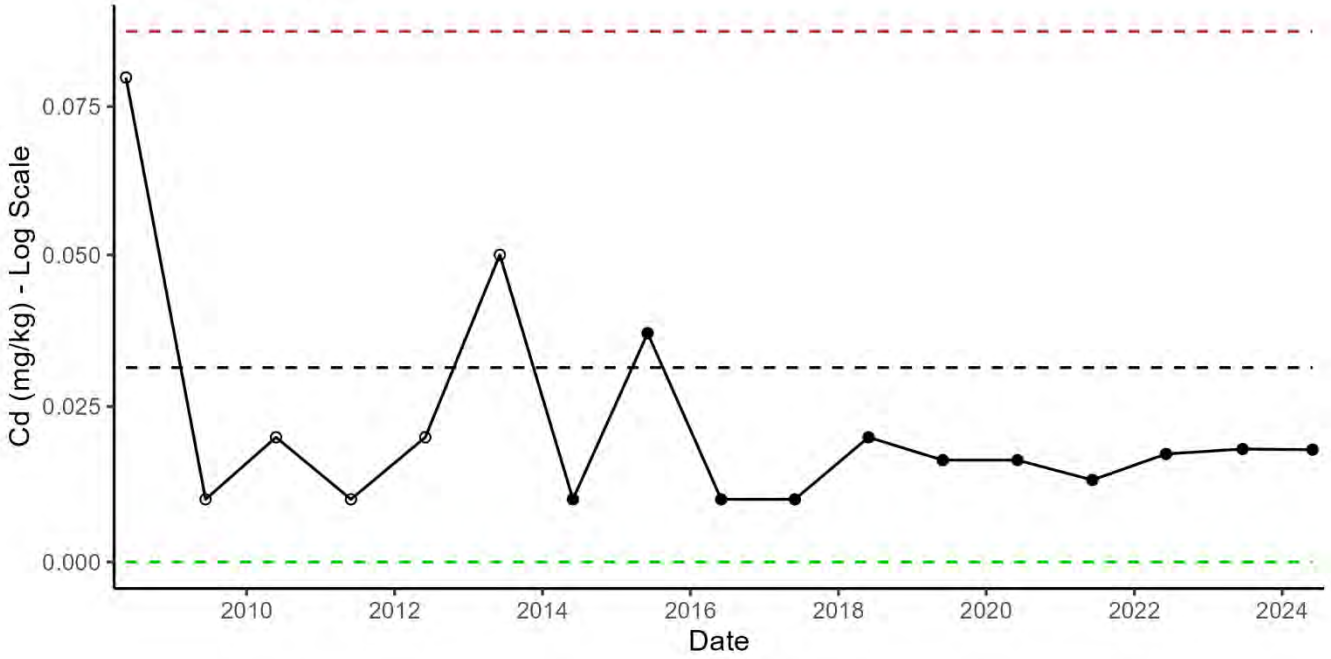
Plot 114 Moss

Baseline data OK



Plot 114 LabTea

Baseline data OK



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Cadmium

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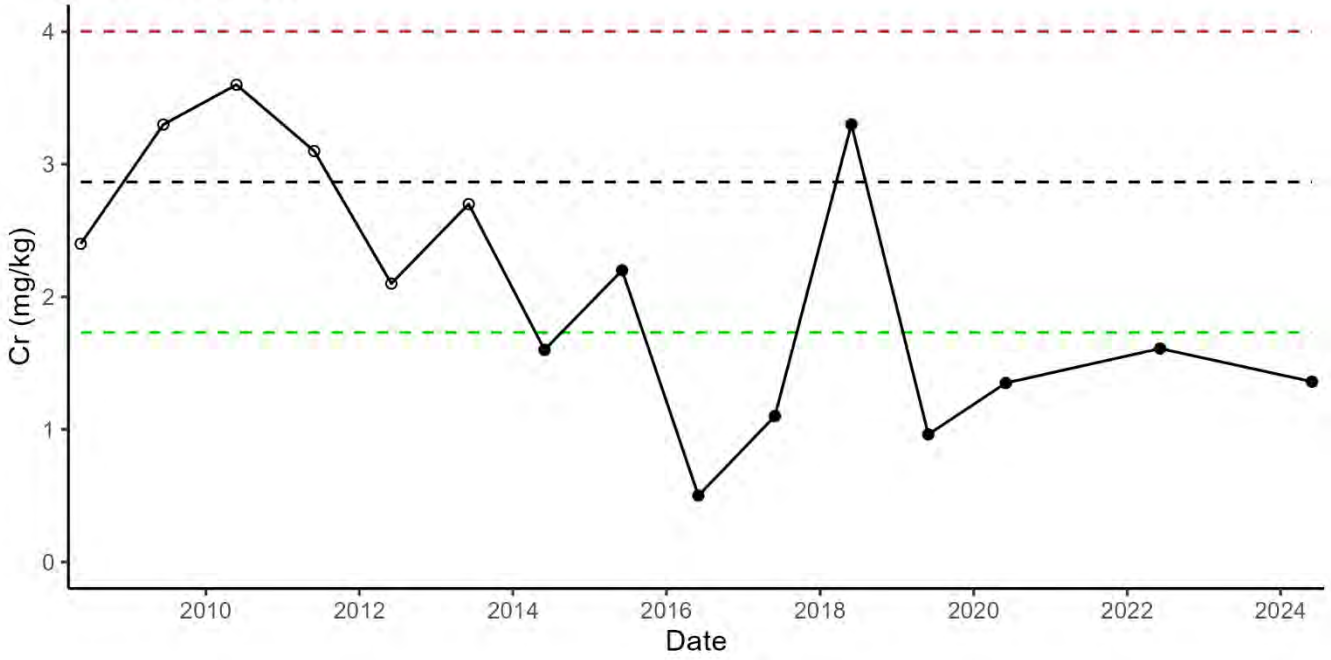
Figure **F.48**

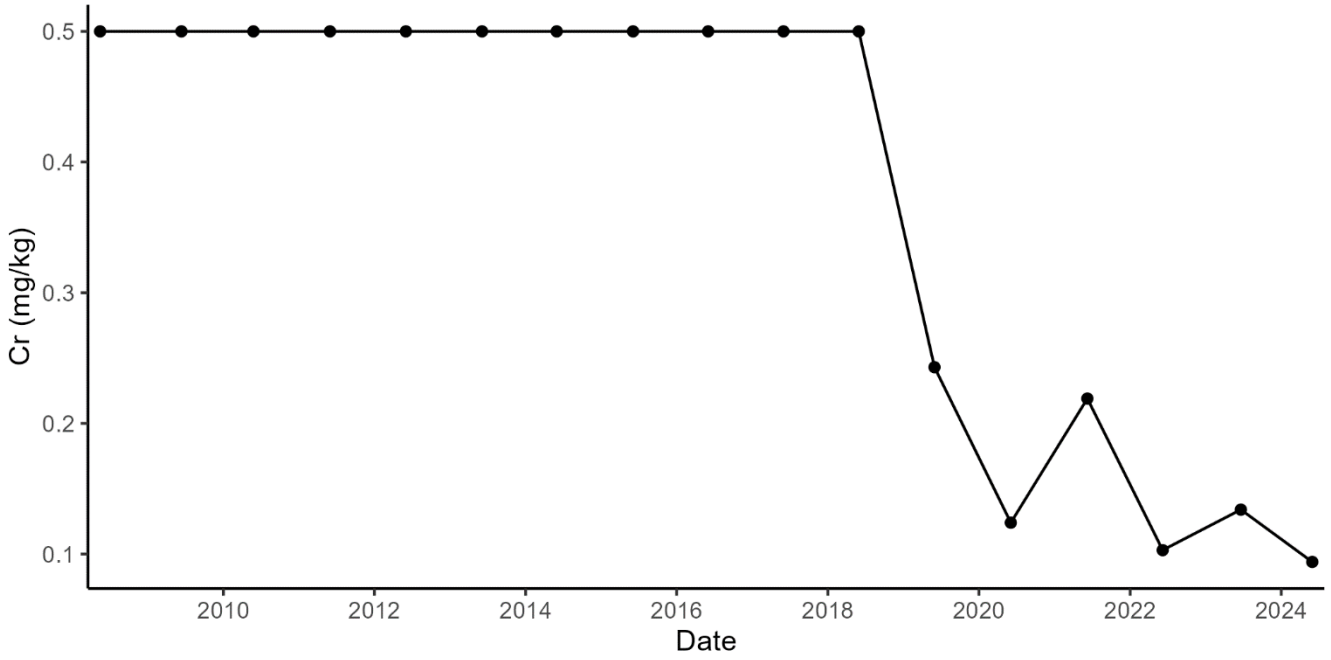
Plot 114 Moss

Baseline data OK



Plot 114 LabTea

Baseline statistics were not estimated



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Chromium

Date:	Project:	Technical:	Reviewer:	Drawn:
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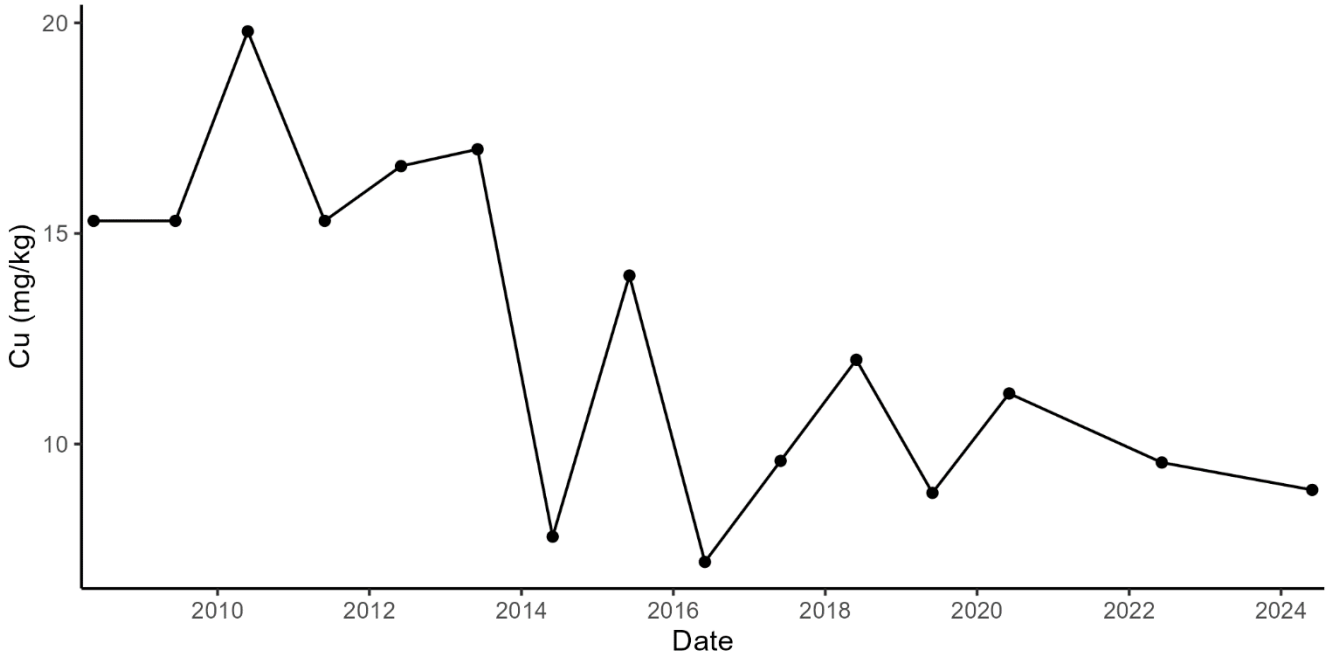
Figure F.49

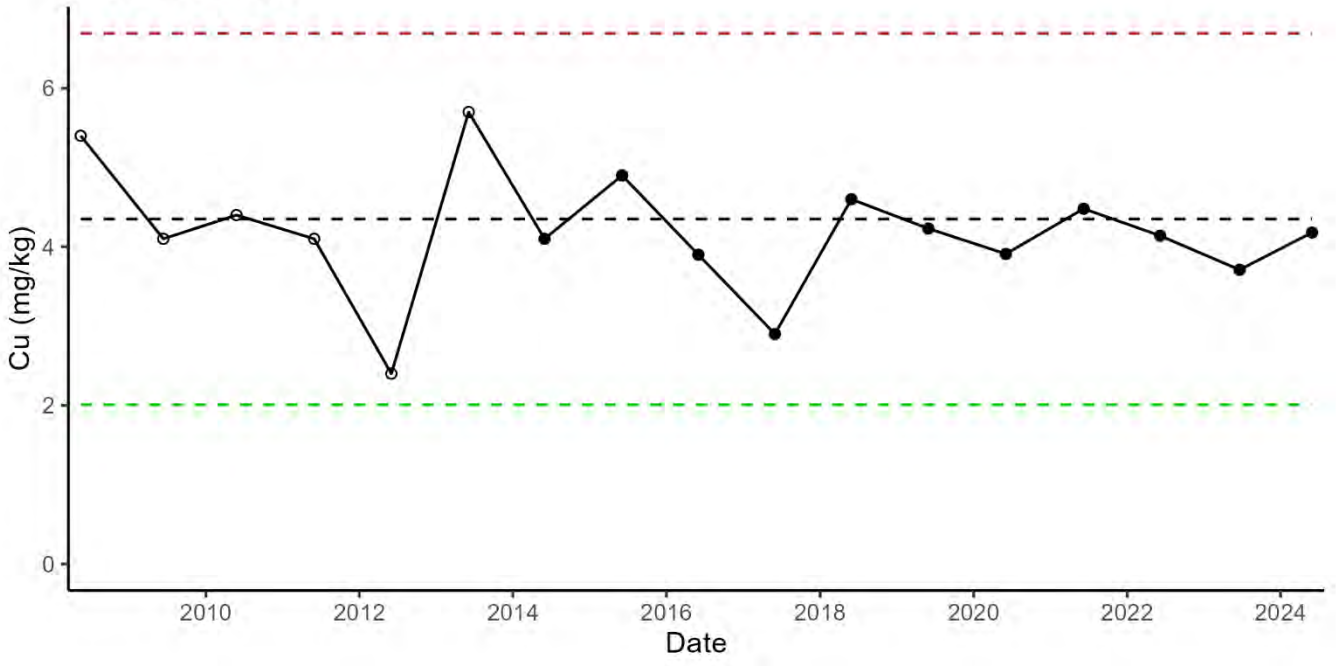
Plot 114 Moss

Baseline statistics were not estimated



Plot 114 LabTea

Baseline data OK



- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre

Soil and Vegetation Monitoring Program

Copper

Date:	Project:	Technical:	Reviewer:	Drawn:
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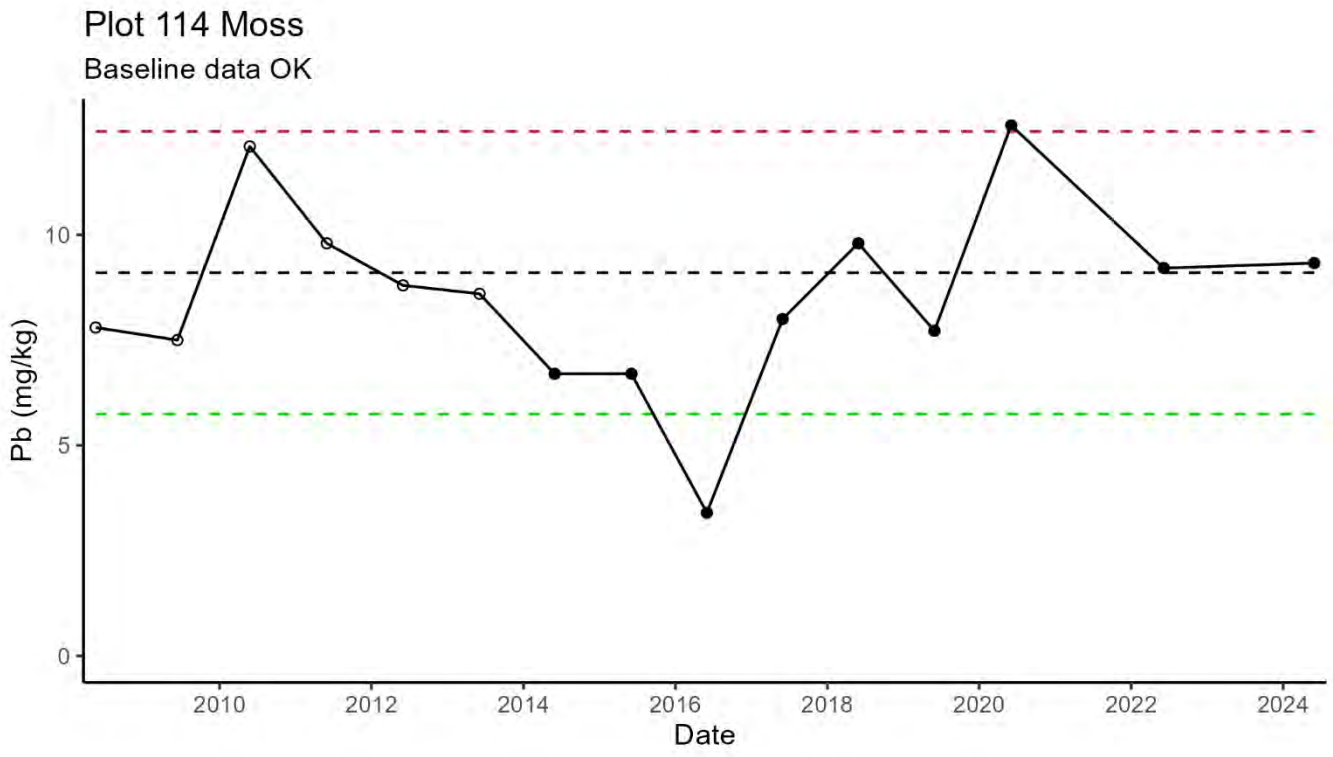
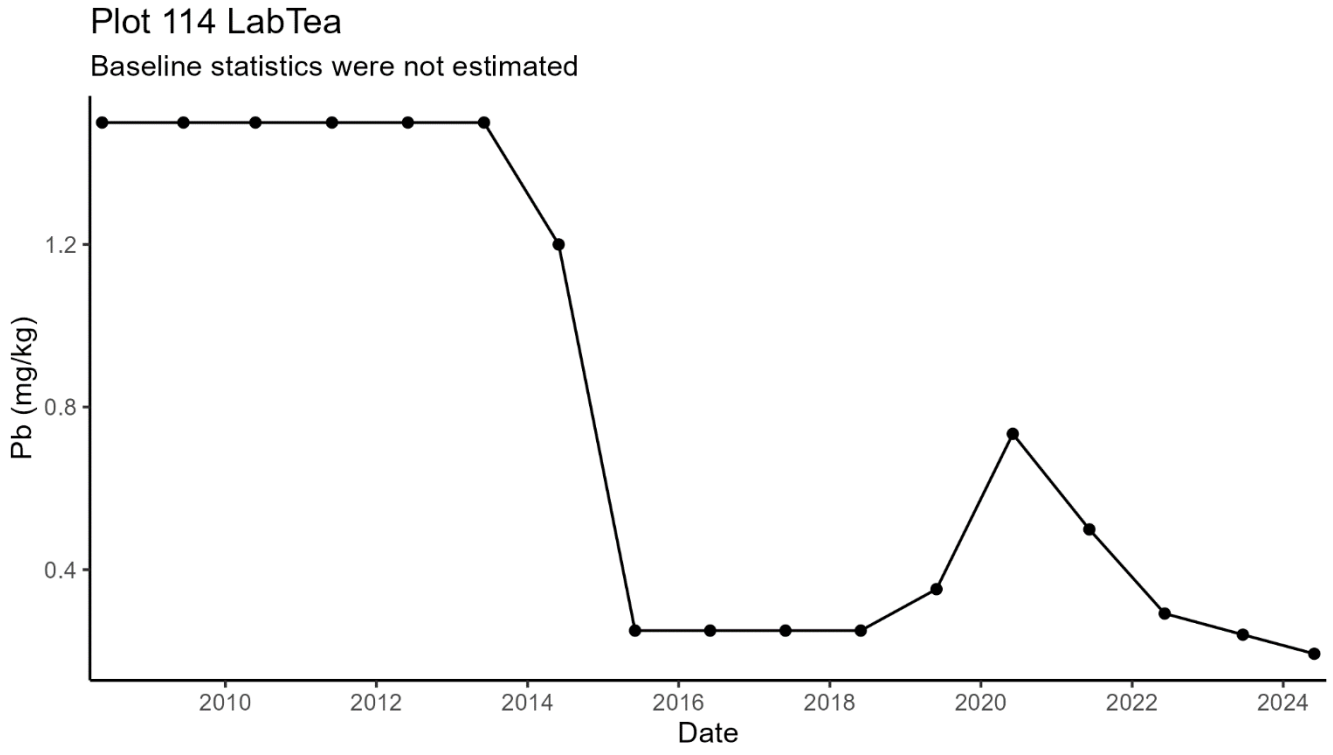
Figure **F.50**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Lead

Date:	Project:	Technical:	Reviewer:	Drawn:
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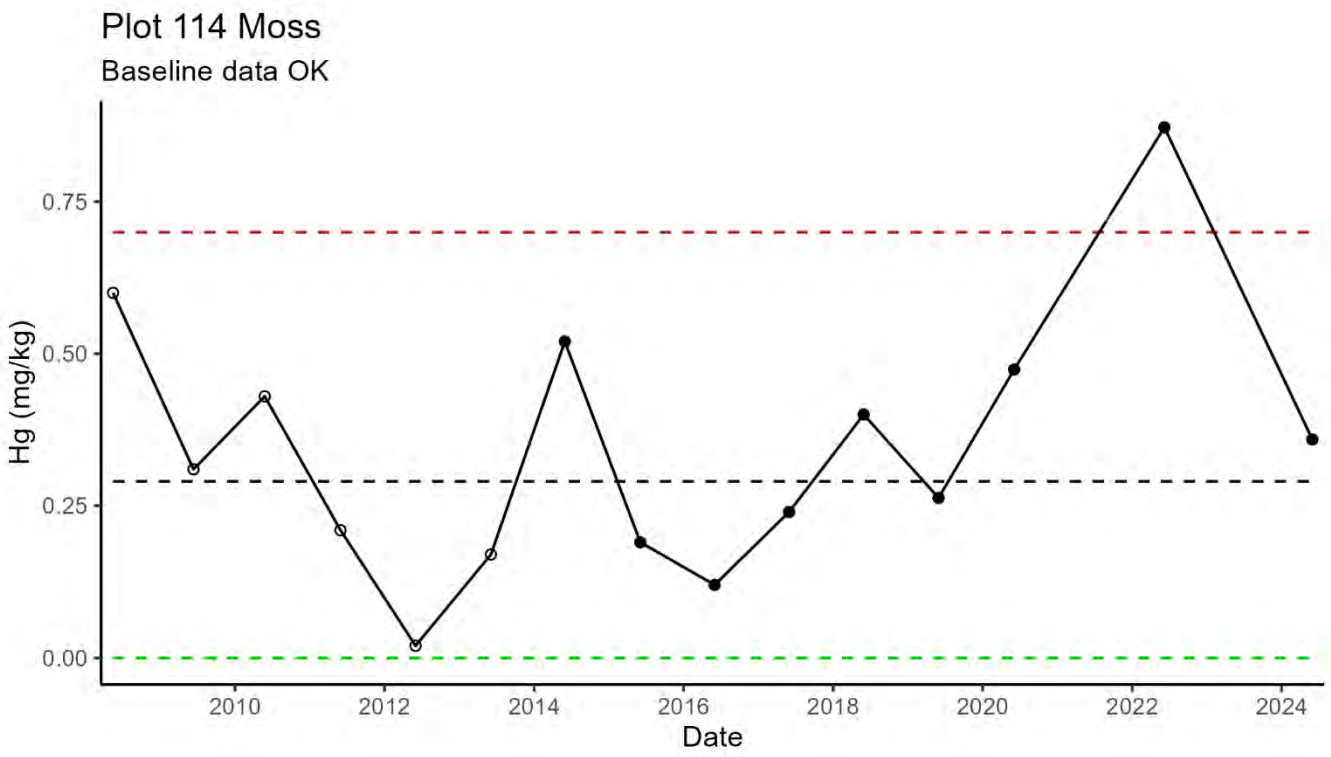
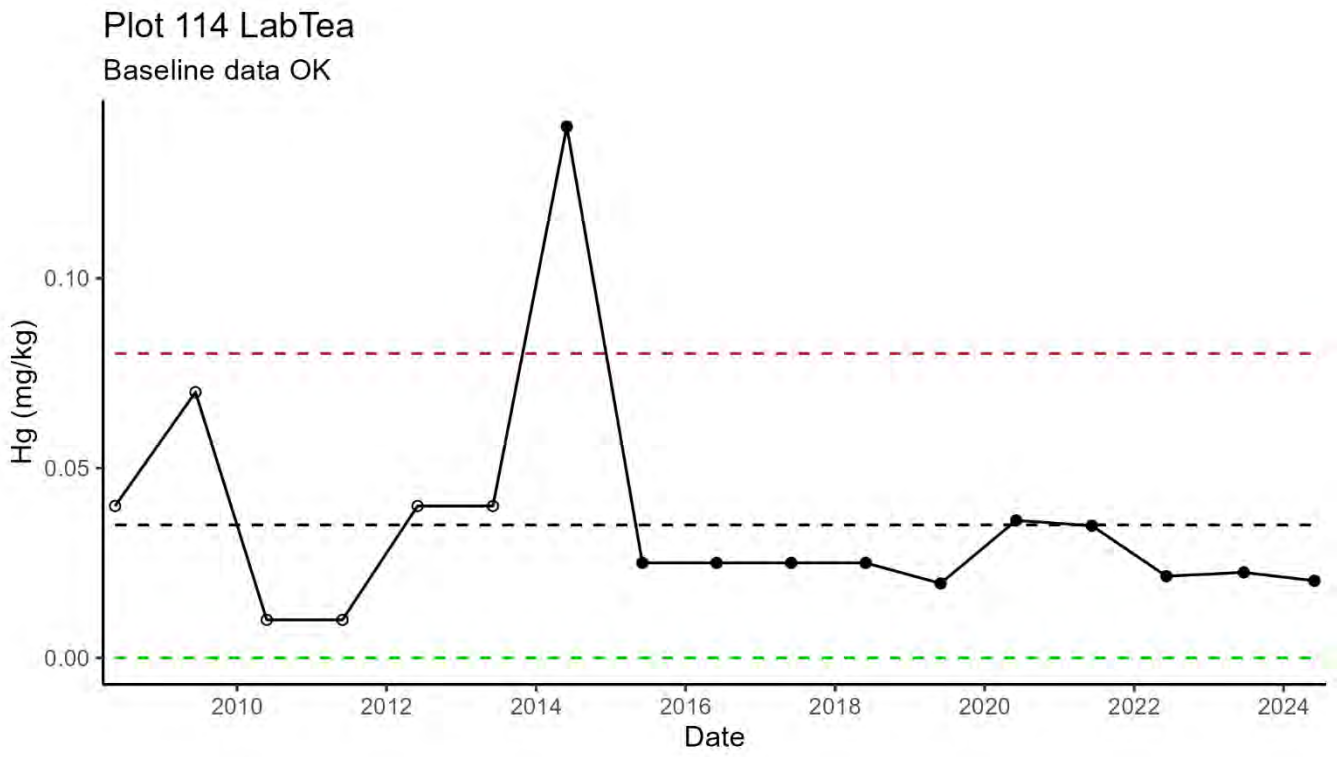
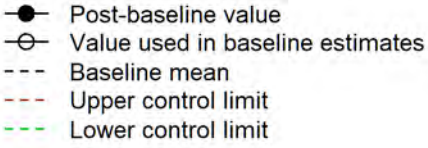
Figure **F.51**







MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mercury

Date:	Project:	Technical:	Reviewer:	Drawn:
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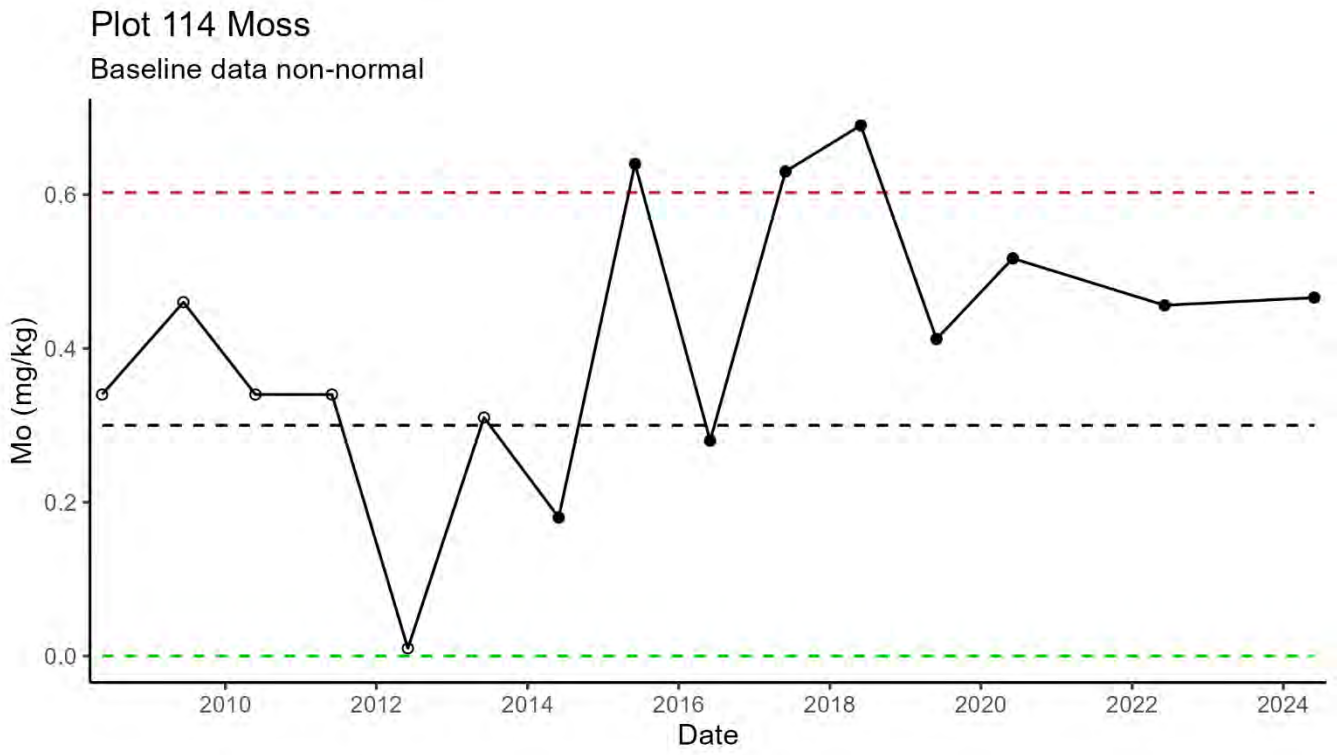
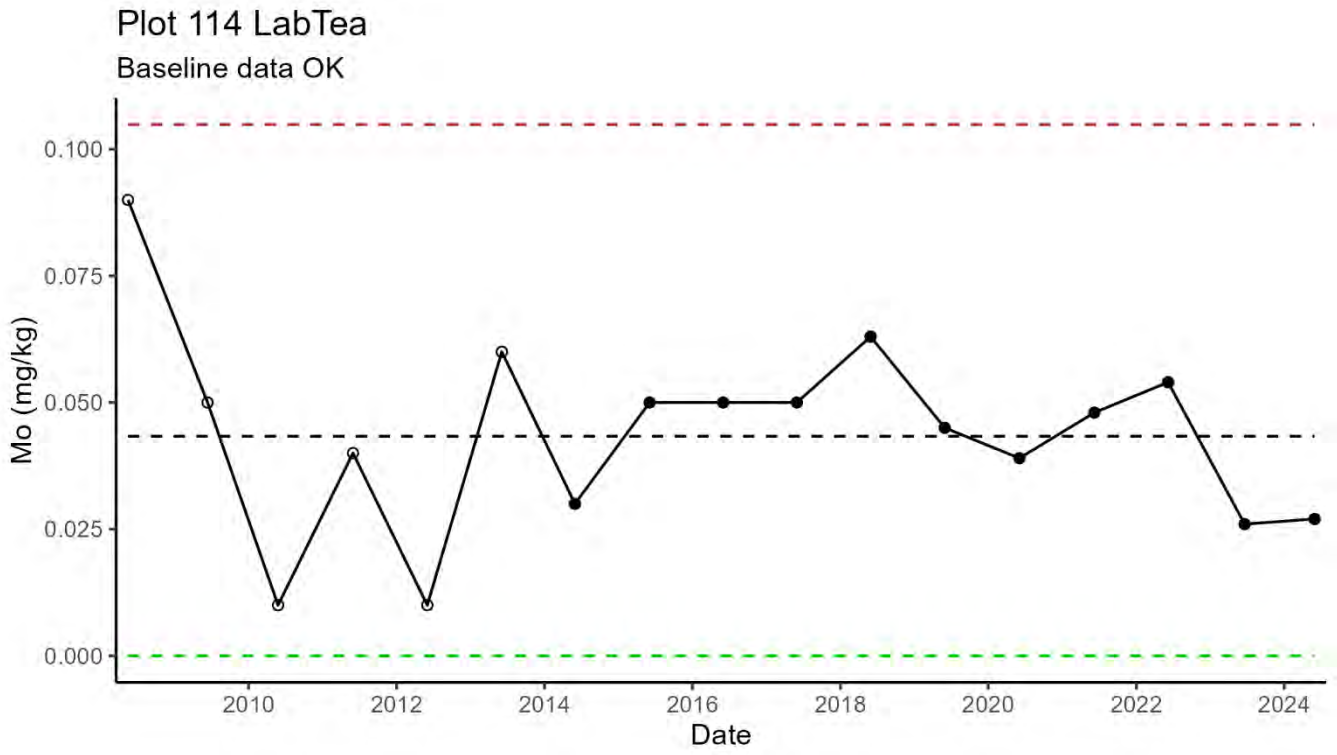
Figure **F.52**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Molybdenum

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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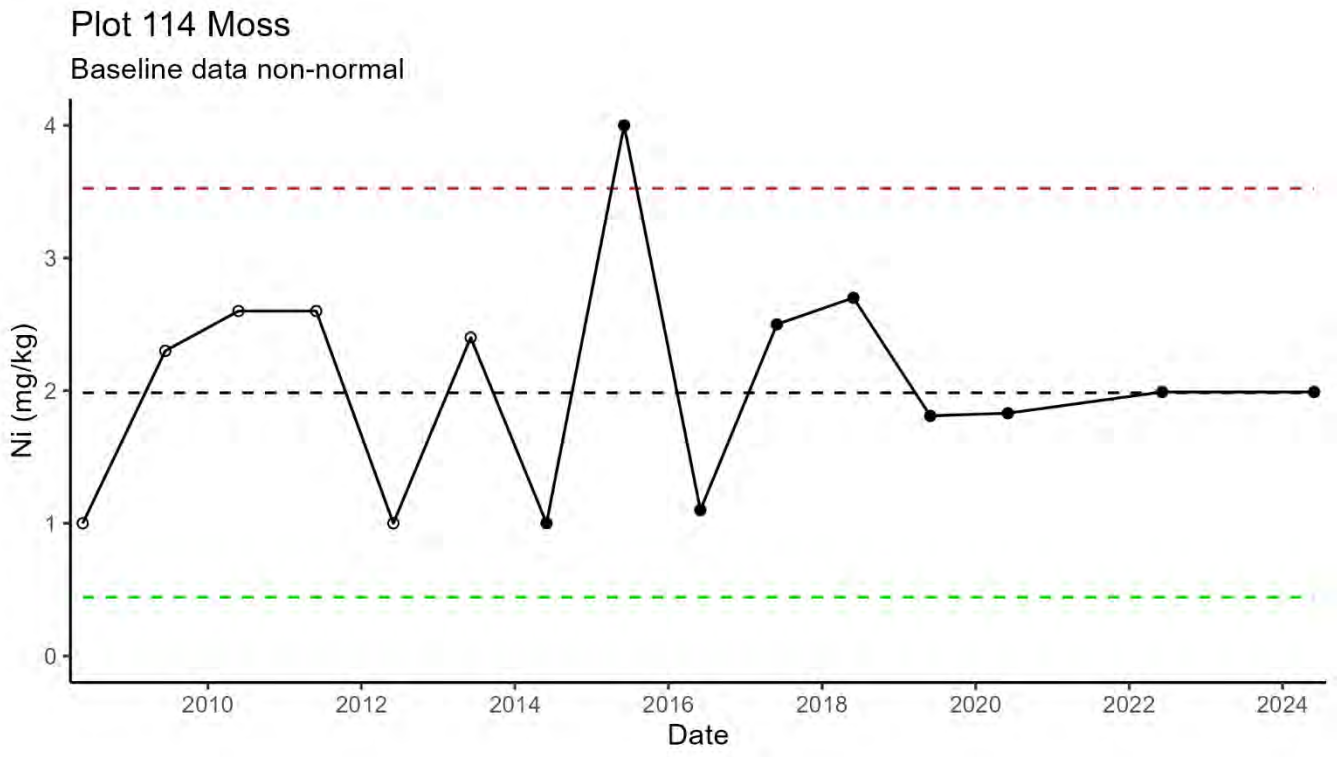
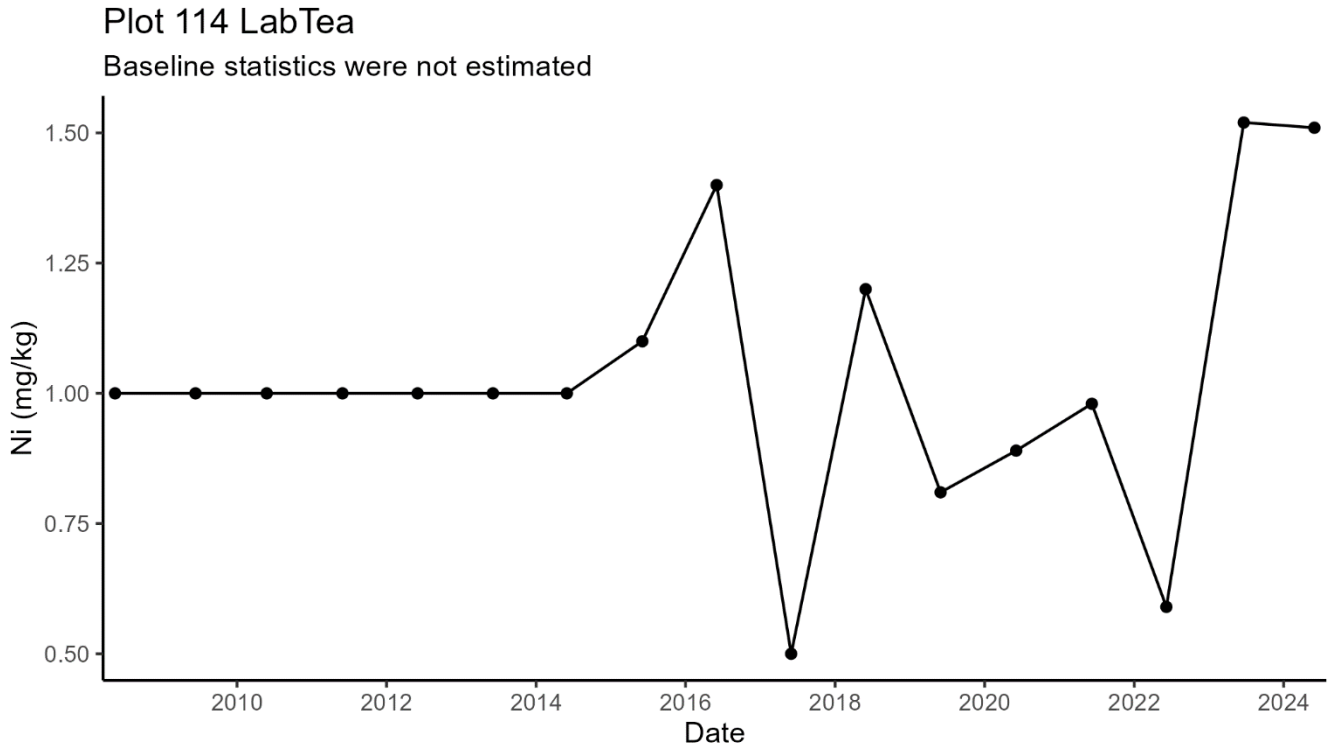
Figure **F.53**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Nickel

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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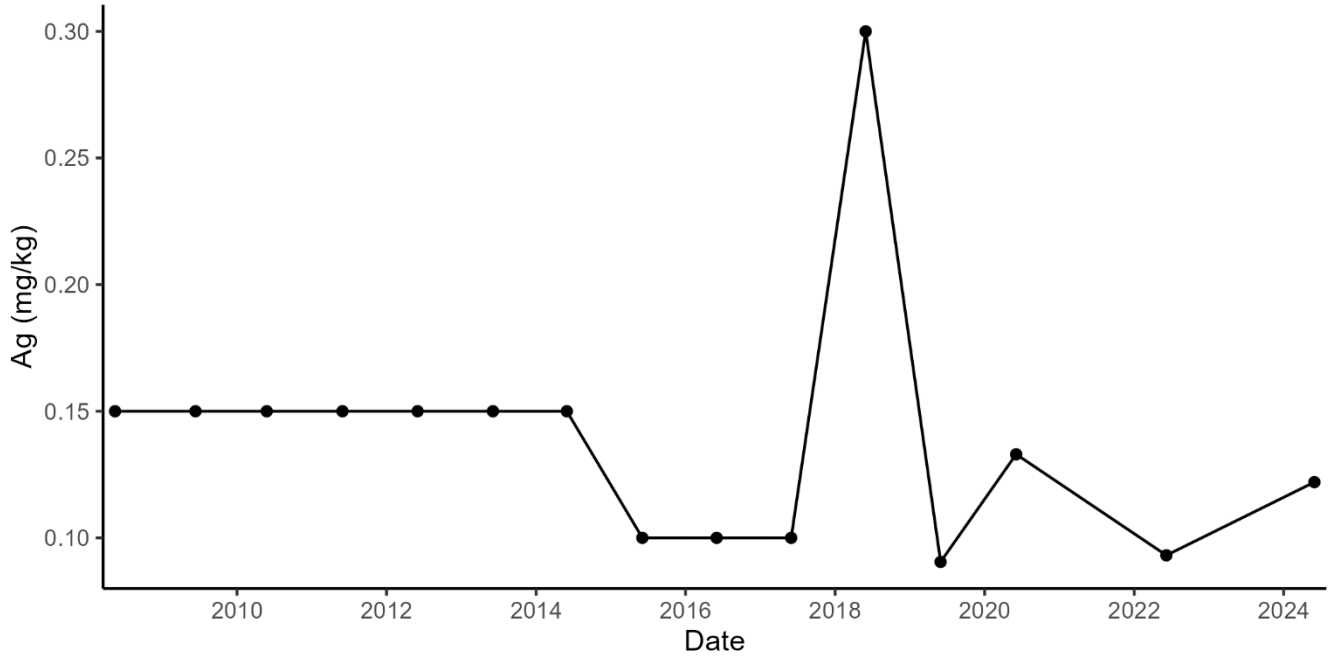
Figure **F.54**

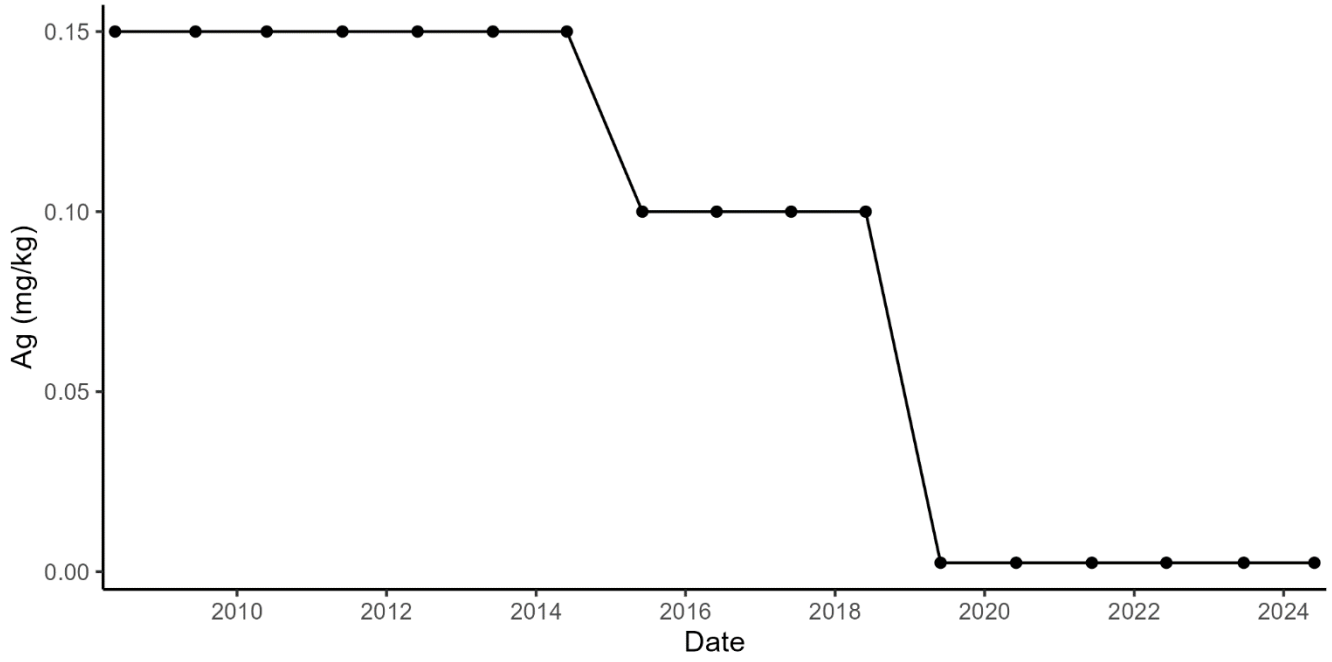
Plot 114 Moss

Baseline statistics were not estimated



Plot 114 LabTea

Baseline statistics were not estimated



Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Silver

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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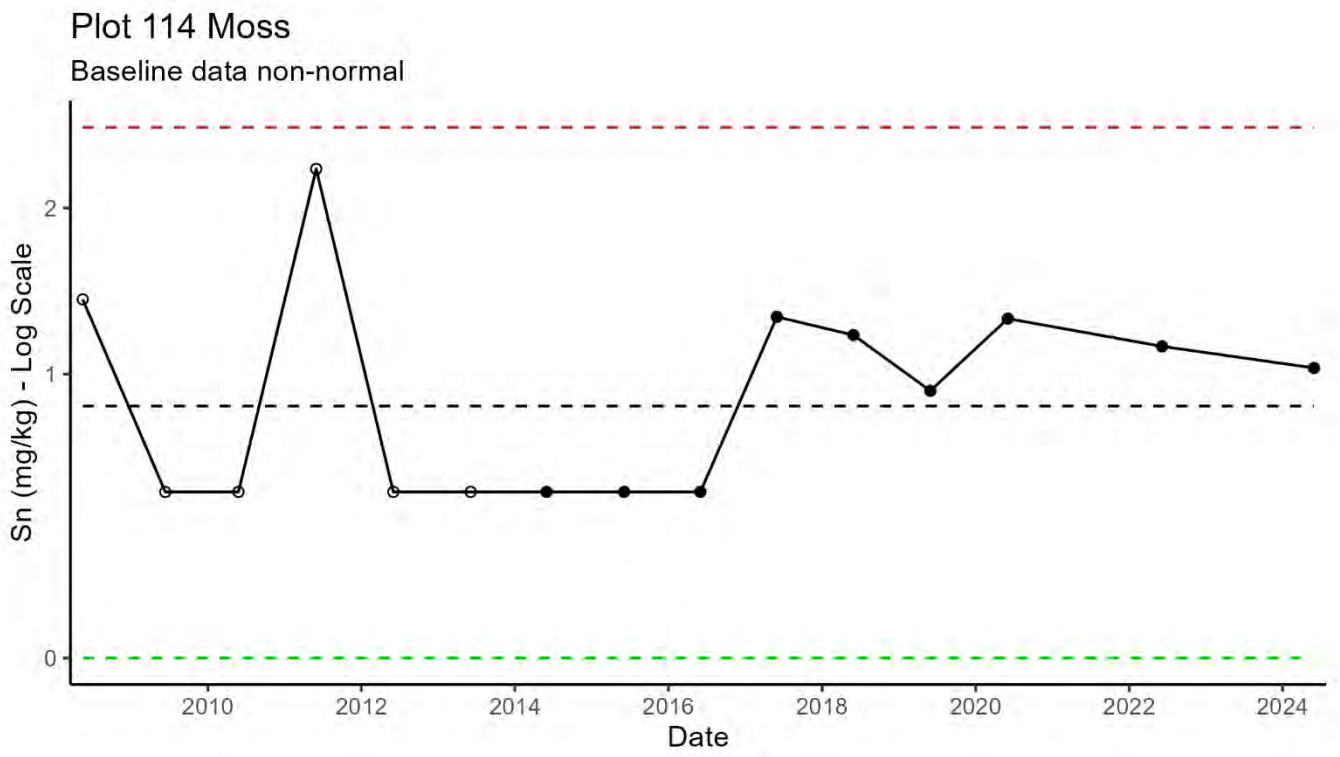
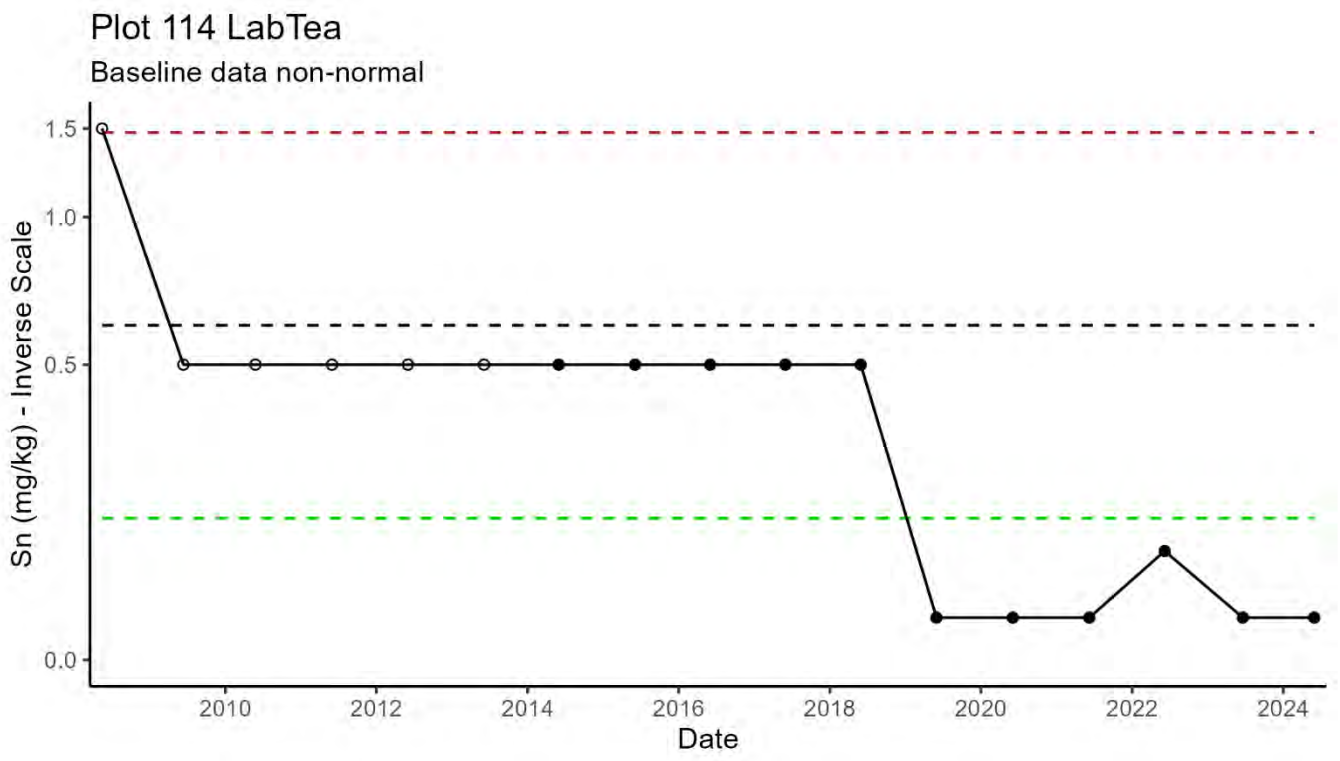
Figure **F.55**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Tin

Date:	Project:	Technical:	Reviewer:	Drawn:
February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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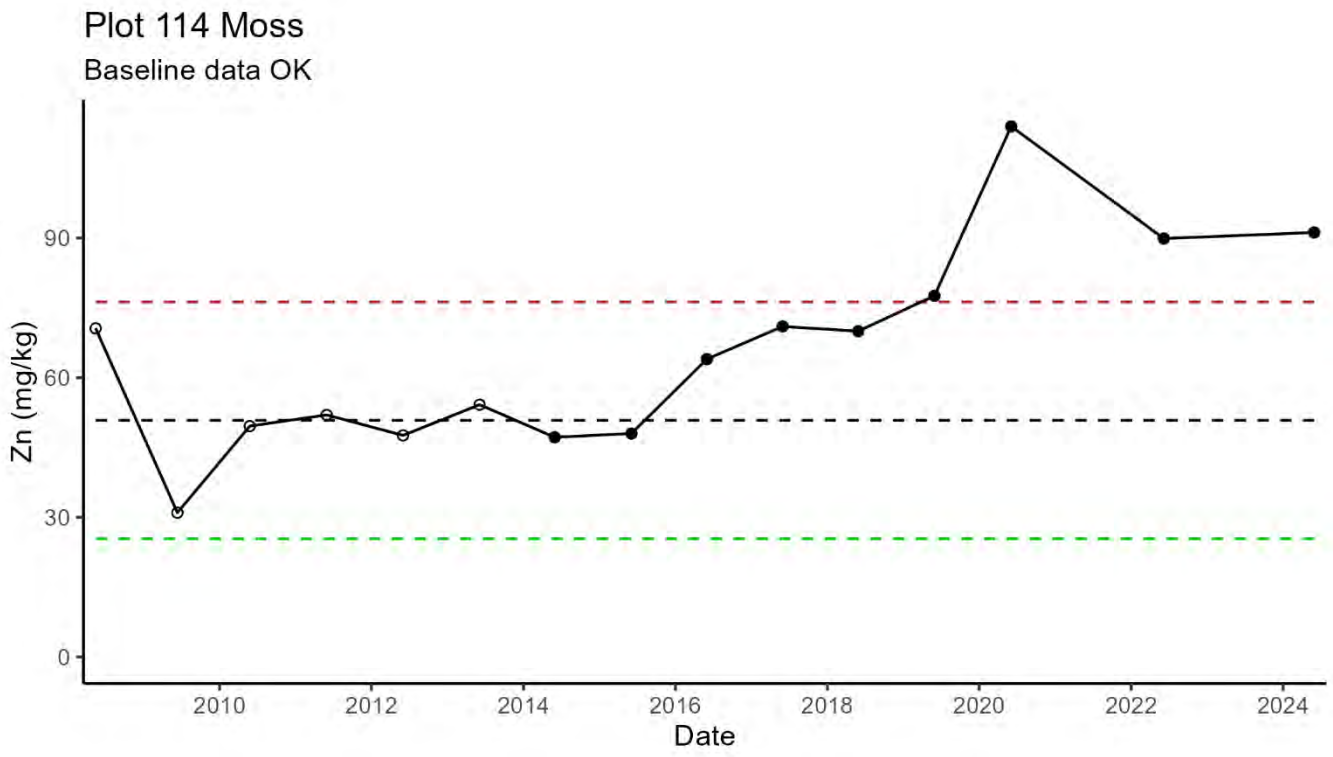
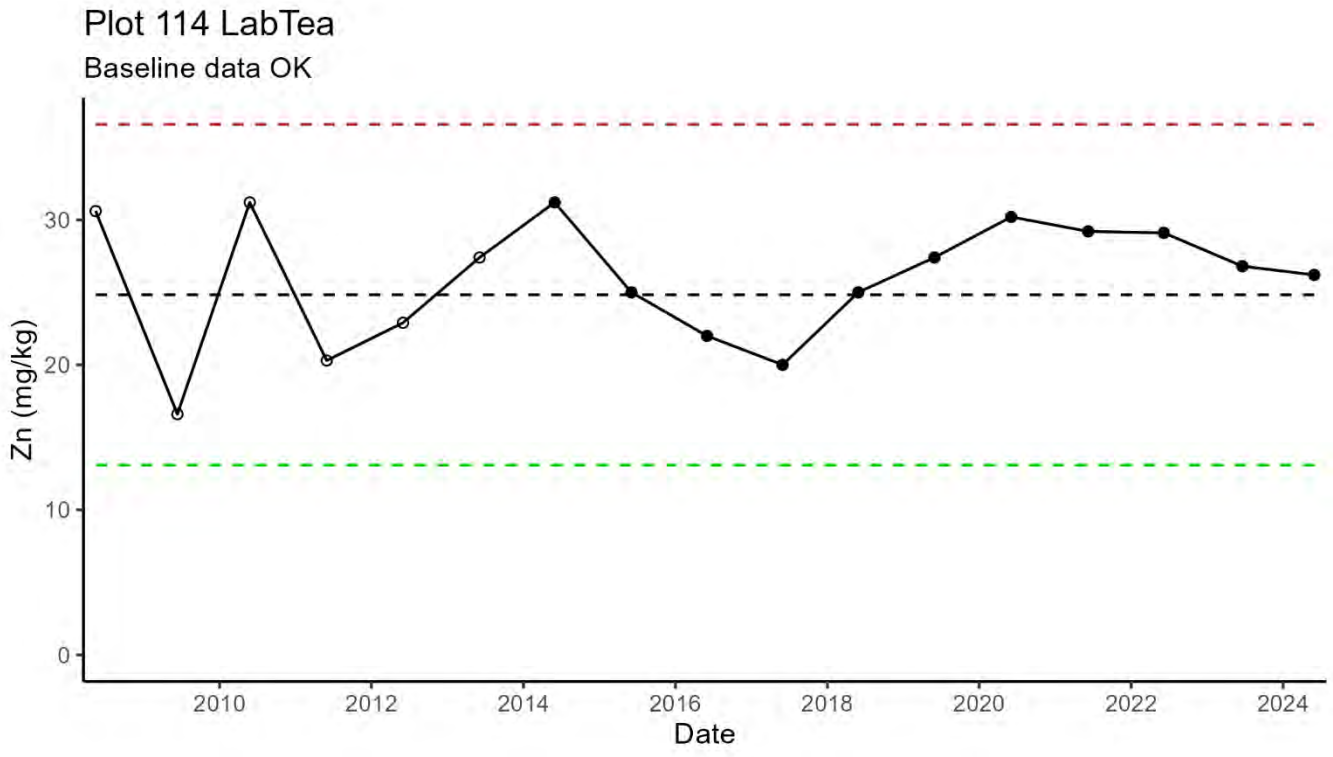
Figure F.56





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Zinc

Date:	Project:	Technical:	Reviewer:	Drawn:
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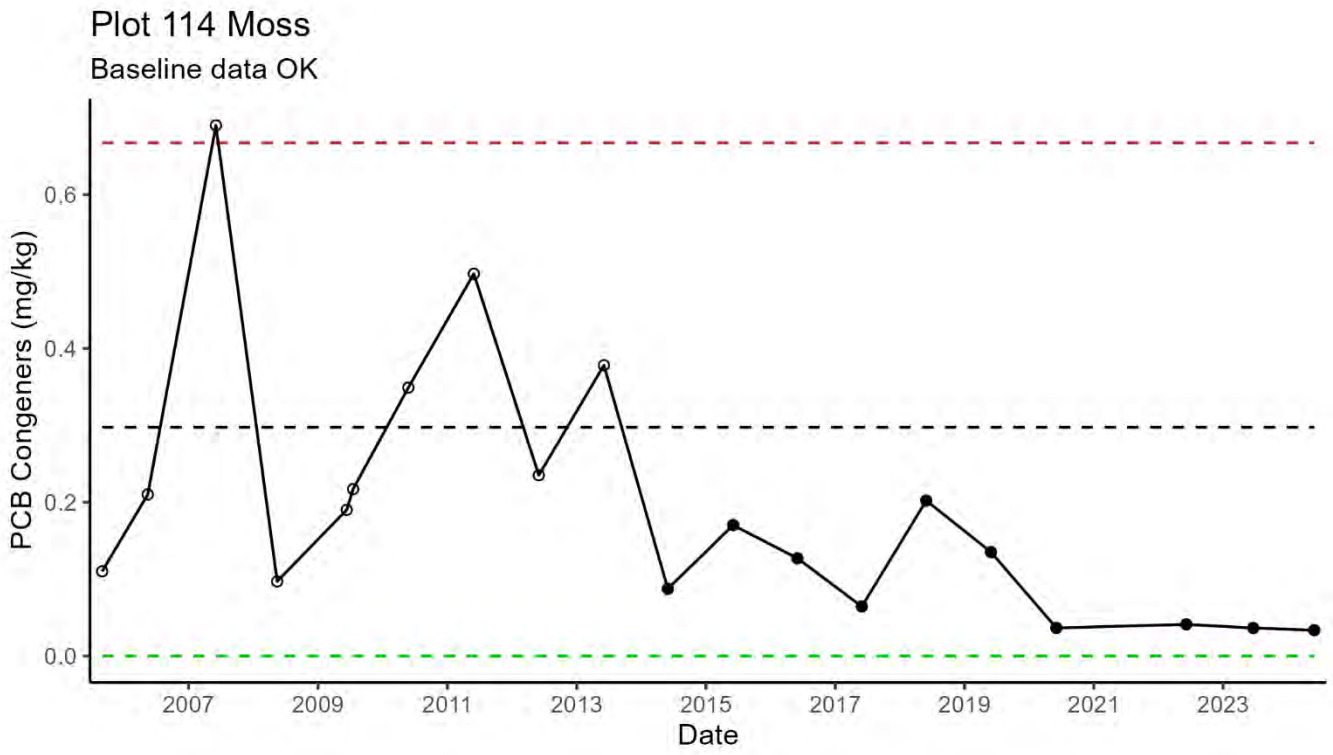
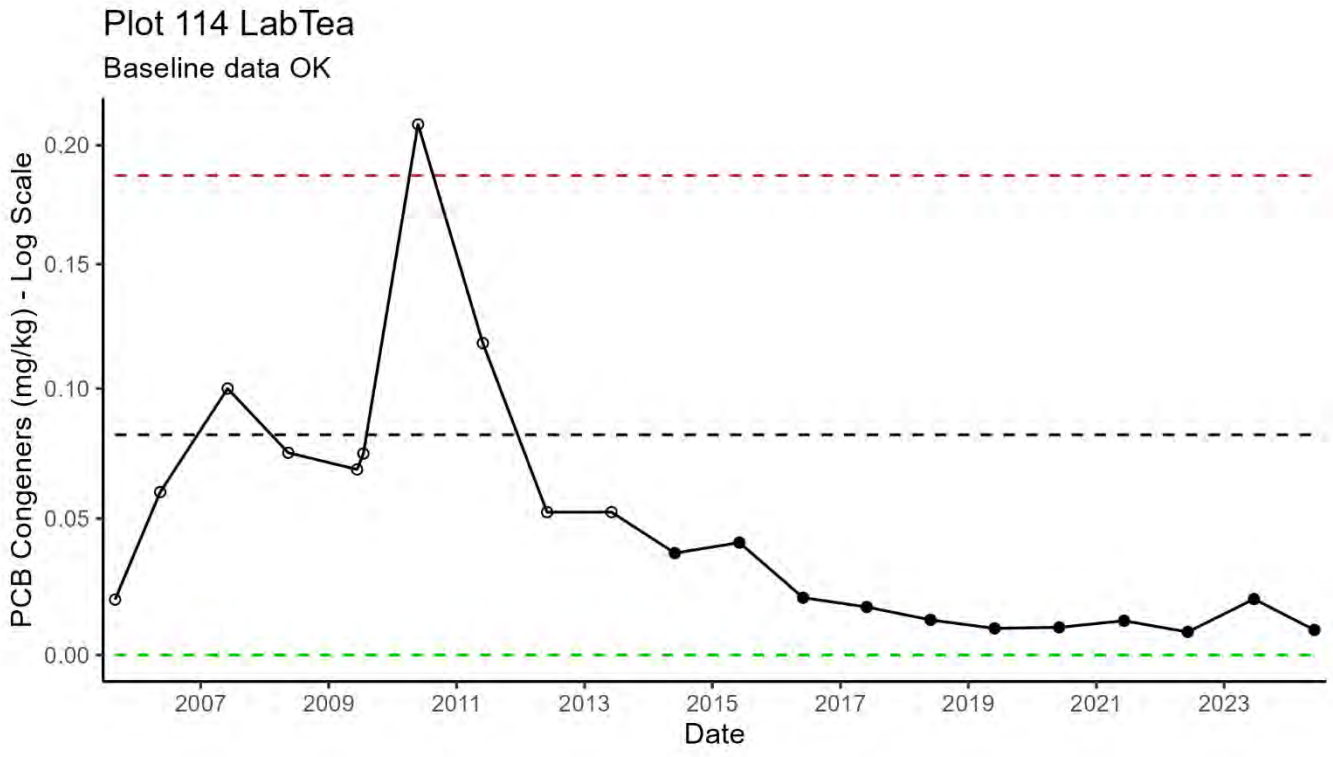
Figure **F.57**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB Congeners

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February 27, 2025	15867-503	C. Ayer	L. Oiffer	J. Rich

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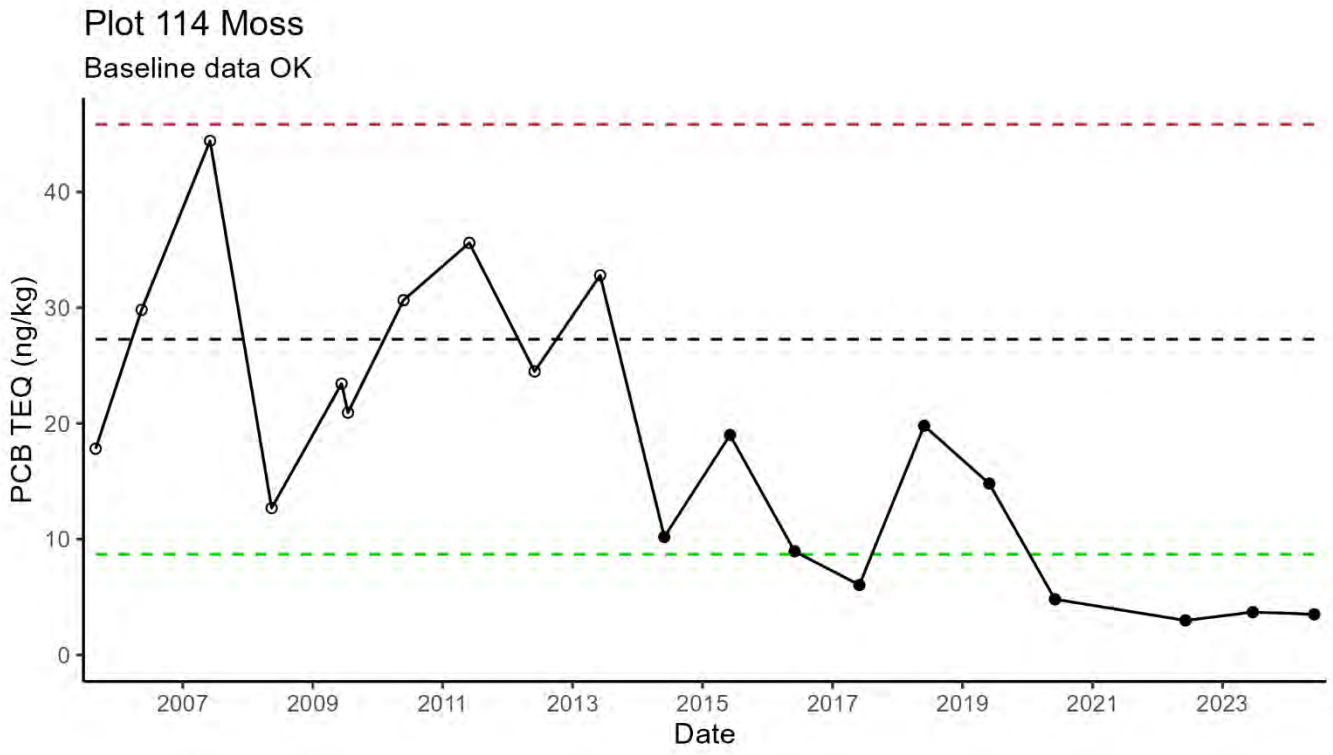
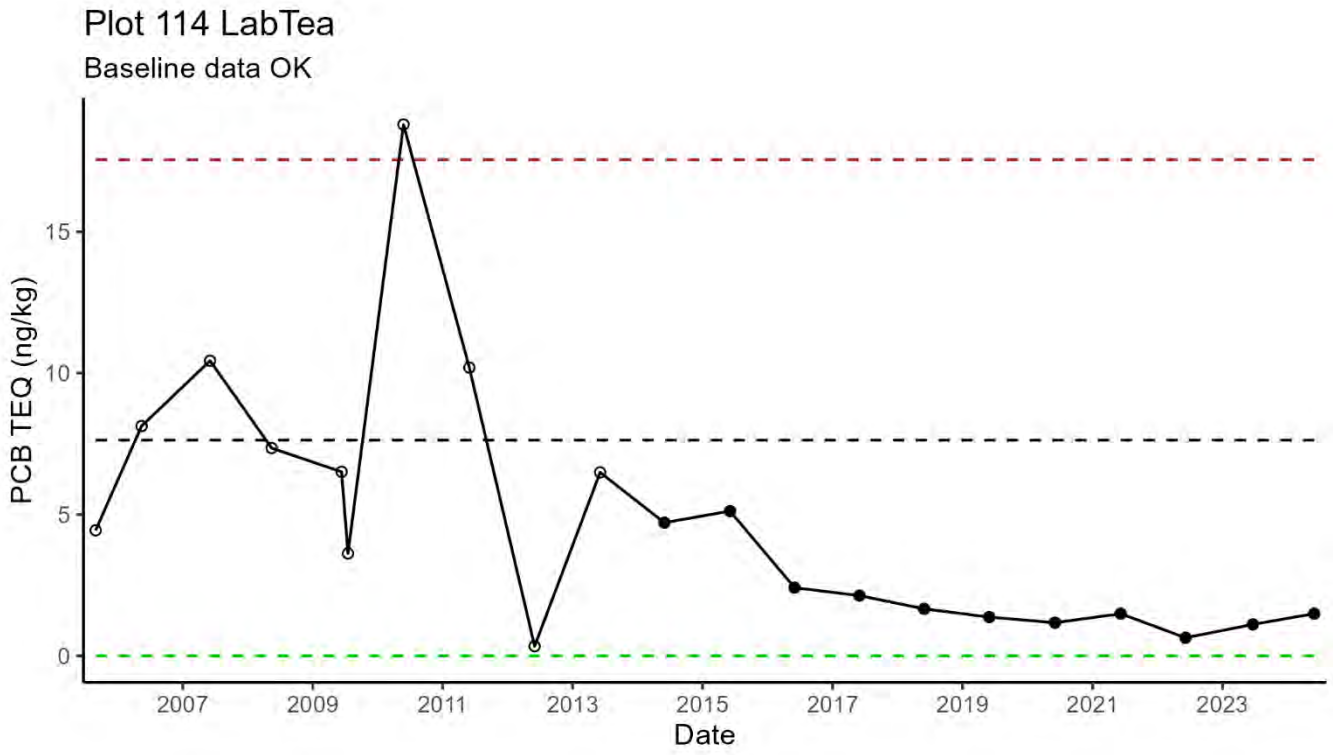
Figure **F.58**





- Post-baseline value
- Value used in baseline estimates
- Baseline mean
- Upper control limit
- Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

PCB TEQ

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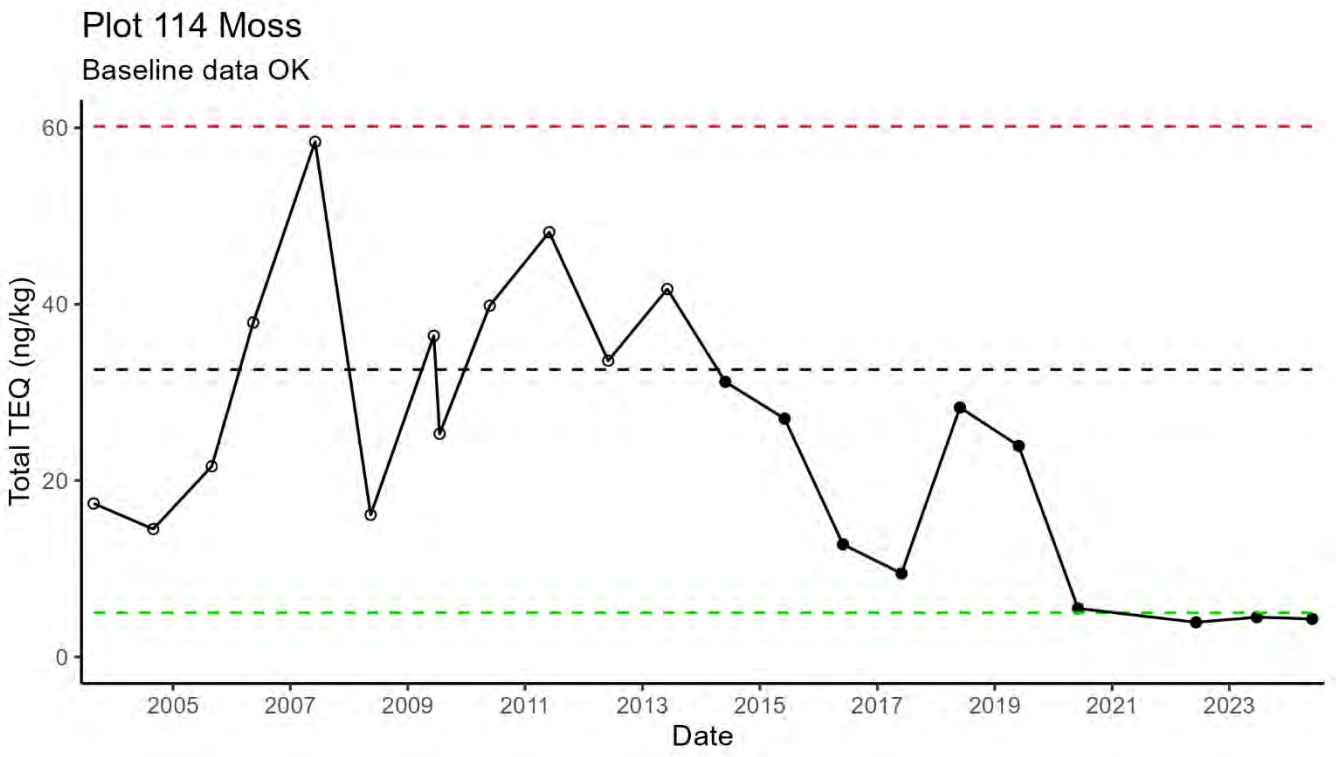
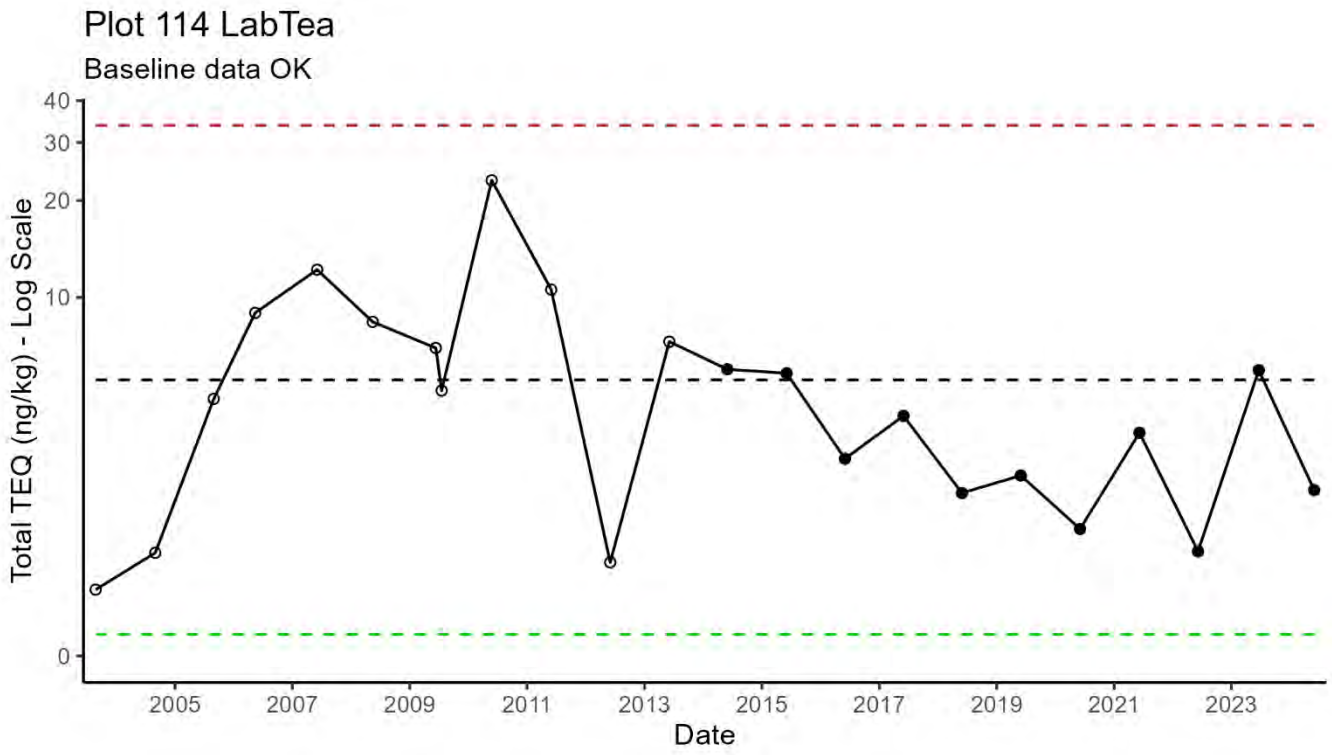
Figure **F.59**





Post-baseline value
Value used in baseline estimates
Baseline mean
Upper control limit
Lower control limit

MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Total TEQ

Date:	Project:	Technical:	Reviewer:	Drawn:
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Figure **F.60**

APPENDIX G
Historical Inorganic Data

TABLE G1

Historical Live Moss Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Si mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 4	15-May-08	15867080515001	2190	0.4	0.502	45.1	<0.5	---	4	0.68	3.8	<1.0	18	941	16.2	0.6	279	0.92	0.45	2.8	<1	170	<0.3	9.1	842	0.07	1.8	83	0.07	3.2	58.9	2.2
Plot 4	12-Jun-09	15867090612013	1990	0.4	0.408	40.6	<0.5	---	4	0.73	5	<1.0	18.9	1280	18	0.7	410	0.39	0.51	2.7	<1	9740	<0.3	9.9	1230	0.09	1.4	111	0.09	2.7	37.7	2.1
Plot 4	25-May-10	15867100525028	1860	0.5	0.319	55.4	<0.5	---	7	1.17	5	<1.0	23.5	1320	20.9	0.7	529	0.41	0.45	3.5	<1	10100	<0.3	11.7	1740	0.08	1.3	111	0.1	3.2	77.2	<0.1
Plot 4	31-May-11	15867110531041	2190	0.3	0.309	54	<0.5	---	7	0.44	4.4	<1.0	13.4	1300	9.5	0.7	671	0.37	0.37	2.7	<1	6330	<0.3	12.4	963	0.09	<1.0	97	0.09	2.3	65.4	3.5
Plot 4	01-Jun-12	15867120601054	2960	<0.1	0.609	68.6	<0.5	---	<2	0.48	4	<1.0	14.7	1690	11.8	<0.4	546	0.27	<0.02	3.3	<1	6340	<0.3	16	778	<0.02	<1.0	151	0.12	4	67.7	4.8
Plot 4	05-Jun-13	15867130605067	2320	3.1	0.354	47.4	<0.5	---	13	0.61	3.4	<1.0	12.9	1230	11.5	1.1	495	0.3	0.36	2.4	<1	6260	<0.3	10.8	844	0.12	<1.0	85	0.08	2.7	62.3	10.5
Plot 4	29-May-14	15867140529081	1720	0.3	0.397	58.6	<0.5	---	<2	0.4	4.4	<1.0	13.6	1230	12.9	<0.4	570	0.72	0.37	2.7	<1	5010	<0.3	13.3	880	0.06	1.2	107	0.08	3.2	68.1	<0.1
Plot 4	03-Jun-15	15867150603006	810	0.3	0.38	37	<0.40	---	5.5	0.58	1.5	<0.50	17	1000	11	<0.80	670	0.16	0.52	2	<0.50	---	<0.20	9.3	920	0.043	<1.0	14	0.053	1.4	70	0.91
Plot 4	31-May-16	15867160531005	420	0.19	0.29	33	<0.40	---	7	0.51	<1.0	<0.50	14	570	9.3	<0.80	670	0.25	0.49	1.6	<0.50	---	<0.20	8.4	830	0.027	<1.0	9.7	<0.040	<1.0	76	0.45
Plot 4	31-May-17	15867170531008	700	0.32	0.54	37	<0.40	---	6.1	0.66	1.7	0.53	12	1000	13	<0.80	600	0.24	0.63	2.4	<0.50	---	<0.20	9	980	0.038	1.6	17	0.056	1.6	78	1.3
Plot 4	29-May-18	15867180529003	800	0.44	0.72	47	<0.40	---	6.7	0.49	3.2	0.66	14	1300	16	<3.1	800	0.46	0.89	3.5	<0.50	---	0.23	10	1100	<0.052	1.3	10	<0.080	2.5	92	<1.0
Plot 4	31-May-19	15867190531030	843	0.267	0.69	41.7	0.03	0.284	7	0.408	1.86	0.618	10.4	1040	12.6	<0.50	701	0.319	0.582	2.41	0.103	---	0.105	9.59	1100	0.0377	1.02	21.5	0.053	2.01	93.8	0.38
Plot 4	03-Jun-20	15867200603008	965	0.304	0.785	49.3	0.036	0.351	7.3	0.596	2.63	0.653	13	1710	14.8	0.5	726	0.443	0.644	2.63	0.119	---	0.124	9.78	1100	0.0436	1.29	25.6	0.0625	2.45	101	0.55
Plot 4	08-Jun-22	15867220608011	825	0.275	0.696	41.2	0.032	0.344	8.2	0.395	1.99	0.55	9.92	1120	11.1	<0.50	713	0.498	0.493	2.18	0.101	---	0.0966	9.22	1020	0.0447	1.08	21.7	0.0611	1.94	92.6	0.32
Plot 4	29-May-24	15867240529026	804	0.226	0.556	51.1	0.031	---	8.9	0.308	1.88	0.548	8.94	1090	9.13	<0.50	757	0.359	0.413	2.03	0.099	---	0.101	11.2	1050	0.0416	0.81	21.5	0.0528	1.97	80.9	0.36
Plot 11	15-May-08	15867080515002	990	0.1	0.222	59	<0.5	---	4	0.18	1.3	<1.0	5.2	474	<3.0	<0.4	734	0.52	0.16	<2.0	<1	171	<0.3	7.7	850	0.02	<1.0	40	<0.04	1.6	64.5	0.9
Plot 11	12-Jun-09	15867090612014	1240	0.1	0.21	36	<0.5	---	3	0.16	1.9	<1.0	6.4	761	3.8	0.5	700	0.19	0.18	<2.0	<1	6220	<0.3	7.3	1430	0.03	<1.0	69	0.07	2	34.3	0.5
Plot 11	26-May-10	15867100526029	1490	<0.1	0.169	48.8	<0.5	---	4	0.21	2.3	<1.0	8.5	991	5.6	0.5	735	0.21	0.08	2	<1	8430	<0.3	9.8	1500	<0.02	<1.0	87	0.07	2.5	62.5	<0.1
Plot 11	31-May-11	15867110531042	1320	0.1	0.08	41.4	<0.5	---	5	0.14	2.6	<1.0	5.7	749	<3.0	0.5	1360	0.55	0.24	<2.0	<1	3130	<0.3	6.7	868	0.04	<1.0	59	0.06	1.2	41.3	4.1
Plot 11	01-Jun-12	15867120601055	4120	<0.1	0.543	73	<0.5	---	<2	0.17	3.4	<1.0	4	1780	<3.0	0.7	800	0.21	<0.02	3	<1	8840	<0.3	15.2	795	<0.02	<1.0	170	0.11	5.9	52.2	3.8
Plot 11	05-Jun-13	15867130605068	2410	2.8	0.327	56.9	<0.5	---	12	0.25	3.1	<1.0	9.3	1160	4.5	1.3	1300	0.2	0.27	2.3	<1	7100	<0.3	12.2	952	0.08	<1.0	85	0.08	2.9	61.3	8.3
Plot 11	31-May-14	15867140531082	980	<0.1	0.224	34.9	<0.5	---	<2	0.1	2.5	<1.0	5.6	702	3.3	<0.4	837	0.49	0.14	<2.0	<1	2800	<0.3	7.8	814	0.03	<1.0	56	<0.04	1.9	47.6	<0.1
Plot 11	03-Jun-15	15867150603003	410	0.13	0.19	40	<0.40	---	3.2	0.13	<1.0	<0.50	22	630	2.6	<0.80	800	0.12	0.17	1.1	<0.50	---	<0.20	6.2	840	<0.020	<1.0	8.8	0.04	<1.0	52	0.8
Plot 11	31-May-16	15867160531004	190	<0.10	0.12	39	<0.40	---	5.7	0.12	<1.0	<0.50	6.1	310	1.9	<0.80	990	0.13	0.13	<1.0	<0.50	---	<0.20	9	710	<0.020	<1.0	4.3	<0.040	<1.0	44	0.21
Plot 11	01-Jun-17	15867170601010	260	<0.12	0.18	33	<0.40	---	5.3	0.14	<1.0	<0.50	8.5	380	2	<0.80	800	0.056	0.13	1	<0.50	---	<0.20	8.3	790	<0.026	<1.0	5.8	<0.040	<1.0	44	0.64
Plot 11	31-May-18	15867180531012	260	<0.26	0.24	41	<0.40	---	<3.7	0.11	1.8	<0.50	6.3	450	2.9	<3.1	880	0.22	0.32	2	<0.50	---	<0.20	7.6	810	<0.052	<1.0	6.9	<0.080	<1.0	51	<1.0
Plot 11	01-Jun-19	15867190601032	477	0.067	0.269	36.7	0.021	0.055	3.7	0.121	0.78	0.309	4.5	630	2.87	<0.50	911	0.185	0.172	1.34	0.104	---	0.047	7.85	1060	0.0258	0.43	12.2	0.0388	1.24	54.8	0.29
Plot 11	02-Jun-20	15867200602004	622	0.088	0.272	33.9	0.018	0.058	4.4	0.15	0.966	0.31	4.93	683	2.73	<0.50	931	0.161	0.187	1.54	0.096	---	0.0474	5.29	920	0.0237	0.25	13.3	0.0342	1.44	46.7	0.27
Plot 11	08-Jun-22	15867220608012	357	0.059	0.224	49.9	0.014	0.039	6.3	0.102	0.677	0.246	4.73	544	2.33	<0.50	1200	0.153	0.156	1.13	0.076	---	0.0316	10.6	940	0.0197	0.24	7.93	0.0289	0.92	66.1	<0.20
Plot 11	28-May-24	15867240528017	400	0.052	0.183	28.4	0.016	---	5.8	0.142	0.6	0.218	3.54	439	1.73	<0.50	852	0.132	0.107	1.12	0.069	---	0.0366	8.65	880	0.0212	0.24	8.82	0.0263	0.88	50.5	0.27
Plot 70	15-May-08	15867080515003	11900	0.2	1.3	179	<0.5	---	5	0.23	10.8	2.2	6.9	4660	7.1	3.4	282	0.55	0.3	5.2	<1	131	<0.3	33.4	796	0.11	<1.0	419	0.36	15.5	43.8	11.3
Plot 70a	12-Jun-09	15867090612015	5700	<0.1	0.579	99.7	<0.5	---	3	0.11	7.3	1.2	4.7	3180	3.7	2	465	0.08	0.24	3.4	<1	44600	<0.3	17.7	1170	0.06	<1.0	398	0.29	8.2	22.2	9.4
Plot 70b	12-Jun-09	15867090612016	1970	<0.1	0.27	47.5	<0.5	---	3	0.15	3	<1.0	3.3	1230	4.2	0.7	273	0.12	0.17	2.2	<1	8930	<0.3	10.7	1170	0.03	<1.0	117	0.11	3.2	17.3	1.9
Plot 70c	12-Jun-09	15867090612017	2610	<0.1	0.284	45.5	<0.5	---	3	0.11	3.9	<1.0	3.6	1530	<3.0	0.9	321	0.08	0.17	2.4	<1	15300	<0.3	11.3	1090	0.03	<1.0	172	0.16	4	18.4	3.8
Plot 70	25-May-10	15867100525030	2660	<0.1	0.28	123	<0.5	---	7	0.33	4.3	<1.0	5	1590	3.9	0.9	1540	0.13	0.1	3.8	<1	11800	<0.3	19.4	1780	0.09	<1.0	130	0.1	4.2	49.5	<0.1
Plot 70	31-May-11	15867110531043	3040	<0.1	0.311	67.1	<0.5	---	4	0.19	5.1	<1.0	4.9	1720	5.1	1.1	542	0.1	0.25	2.6	<1	5480	<0.3	13.1	991	0.08	<1.0	127	0.12	3.7	39.6	4.5
Plot 70	01-Jun-12	15867120601056	2240	<0.1	0.238	55.3	<0.5	---	<2	0.17	1.3	<1.0	1.2	1040	<3.0	<0.4	739	0.08	<0.02	<2.0	<1	5440	<0.3	9.9	820	<0.02	<1.0	88	0.07	2.5	25.4	0.4
Plot 70	05-Jun-13	15867130605070	2260	2.5	0.195	71.3	<0.5	---	11	0.18	2.1	<1.0	5.1	1080	4	1.1	418	0.09	0.09	<2.0	<1	5290	<0.3	11.2	735	0.07	<1.0	70	0.08	2.2	35.1	6.4
Plot 70	31-May-14	15867140531083	3560	<0.1	0.543	97.8	<0.5	---	<2	0.15	4.2	<1.0	9.1	1990	9.2	<0.4	356	0.45	0.17	2.5	<1	8540	<0.3	18.2	787	0.1	<1.0	183	0.13	5.7	34.9	<0.1
Plot 70	04-Jun-15	15867150604015	1500	<0.10	0.43	54	<0.40	---	2.6	0.19	1.8	1.3	44	1800	1.9	<0.80	740	<0.050	0.14	2.5	<0.50	---	<0.20	7.7	840	0.021	<1.0	11	0.073	2.6	57	1.4
Plot 70	02-Jun-16	15867160602012	400	0.1	0.21	25	<0.40	---	4.1	0.065	<1.0	<0.50	6.3	590	1.7	<0.80	810	0.11	<0.10	1.4	<0.50	---	<0.20	4.4	750	0.021	<1.0	7.3	<0.040	1	40	0.71
Plot 70	01-Jun-17	15867170601012	470	<0.12	0.22	47	<0.40	---	4	0.15	<1.0	<0.50	4.3	710	1.8	<0.80	690	0.059	<0.10	1.4	<0.50	---	<0.20	5.6	870	<0.026	<1.0	8.5	<0.040	1.1	32	0.76
Plot 70	31-May-18	15867180531011	680	<0.26	0.38	54	<0.40	---	<3.7	0.23	2	0.5	5.3	950	2.7	<3.1	1000	0.18	0.24	2.6	<0.50	---	<0.20	7.6	990	<0.052	<1.0	9.1	<0.080	1.6	59	<1.0
Plot 70	01-Jun-19	15867190601041	766	0.041	0.29	59.2	0.027	<0.010	2.8	0.143	1	0.493	4.01	922	1.96	<0.50	989	0.104	0.113	1.83	0.078	---	0.0482	7.32	1060	0.0257	0.13	13.7	0.0426	1.71	45.9	0.23
Plot 70	02-Jun-20	15867200602005	631	0.033	0.205	67.6	0.018	0.011	4.4	0.24	0.789	0.402	4.48	642	1.33	<0.50	809	0.0965	0.105	1.36	0.068	---	0.0445	7.19	980	0.0226	<0.10	10.8	0.0314	1.23	44.4	<0.20
Plot 70	07-Jun-22	15867220607005	666	0.043	0.267	36.2	0.027	0.011	3.4	0.166	1.02	0.466	3.92	824	1.45	<0.50	816	0.107	0.124	1.5	0.068	---	0.0392	6.41	780	0.0213	0.27	12	0.0418	1.41	41.2	0.45
Plot 70	30-May-24	15867240530037	634	0.032	0.208	42.6	0.02	---	4.4	0.211	0.773	0.406	3.55	644	1.3	<0.50	756	0.08	0.094	1.31	0.07	---	0.0398	7.68	700	0.021	0.33	11.3	0.0313	1.23	38	0.38
Plot 71	15-May-08	15867080515004	1560	<0.1	0.227	73.4	<0.5	---	5	0.09	1.8	<1.0	3.4	719	<3.0	0.5	703	0.46	0.12	<2.0	<1	161	<0.3	15.2	774	0.02	<1.0	60	0.05	2.4	54.2	1.4
Plot 71	12-Jun-09	15867090612018	2480	<0.1	0.292	82.1	<0.5	---	6	0.14	3	<1.0	4.9	1450	4.6	0.9	995	0.14	0.22	2.3	<1	13300	<0.3	20.4	1430	0.03	<1.0	143	0.15	4	41.8	2.8
Plot 71	25-May-10	15867100525031	1610	<0.1	0.159	115	<0.5	---	11	0.36	2.2	<1.0	6.1	947	<3.0	0.5	2310	0.06	0.05	2.2	<1	9320	<0.3	22.9	1690	<0.02	<1.0	83	0.08	2.5	97.8	<0.1
Plot 71	31-May-11	15867110531044	1430	<0.1	0.071	74	<0.5	---	6	0.08	1.7	<1.0	5.5	784	<3.0	0.5	867	0.08	0.15	<2.0	<1	5450	<0.3	23.4	1030	0.04	<1.0	59	0.06	1.1	44.8	2.2
Plot 71	01-Jun-12	15867120601057	1830	<0.1	0.168	83.8	<0.5	---	<2	0.07	1.1	<1.0	2.5	941	<3.0	<0.4	1070	0.09	<0.02	<2.0	<1	5610	<0.3	18.6	982	<0.02	<1.0	82	0.05	2.4	56.3	1.8
Plot 71	05-Jun-13	15867130605071	15900	2.4	8.27	253	<0.5	---	15	0.14	11	2.5	9.4	7930	8.6	14	466	0.08	0.29	5.1	<1	30500	<0.3	59.7	555	0.18	<1.0	456	1.13	26.2	47.1	19
Plot 71	31-May-14	15867140531084	1990	<0.1	0.339	83.9	<0.5	---	<2	0.09	3.3	<1.0	3.7	1170	3.8	<0.4	349	0.46	0.19	<2.0	<1	14500	<0.3	36.2	975	0.04	<1.0	112	0.08	3.8	27.7	<0.1
Plot 71	04-Jun-15	15867150604014	730	<0.10	0.27	65	<0.40	---	3.4	0.18	<1.0	0.52	12	1000	4.2	<0.80	720	0.059	0.29	1.5	<0.50	---	<0.20	26	1000	0.028	<1.0	10	0.064	1.5	43	1.2
Plot 71	02-Jun-16	15867160602011	200	0.21	0.14	46	<0.40	---	3.5	0.068	<1.0	<0.50	8.5	370	1	<0.80	500	0.056	<0.10	<1.0	<0.50	---	<0.20	12	570	<0.020	<1.0	4.6	<0.040	<1.0	31	0.25
Plot 71	01-Jun-17	15867170601011	260	<0.12	0.16	78	<0.40	---	6.3	0.13	<1.0	<0.50	7.2	430	1.7	<0.80	780	<0.050	<0.10	<1.0	<0.50	---	<0.20	18	760	0.031	<1.0	5.6	<0.040	<1.0	34	0.65
Plot 71	31-May-18	15867180531010	300	<0.26	0.27	76	<0.40	---	4	0.16	1.3	<0.50	5.6	540	2.3	<3.1	620	0.11	0.23	1.5	<0.50	---	0.3	25	850	<0.052	<1.0	5.1	<0.080	<1.0	38	<1.0
Plot 71	01-Jun-19	15867190601039	361	0.021	0.146	57.7	0.017	<0.010	5.3	0.0879	0.55	0.277	2.98	454	0.871	<0.50	542	0.0505	0.133	0.77	0.095	---	0.0192	24.6	950	0.014	0.14	8.58	0.0333	0.93	30.2	0.26
Plot 71	03-Jun-20	15867200604012	680	0.046	0.271	119	0.029	0.014	4.3	0.169	1.01	0.543	4.04	885	2.54	<0.50	671	0.105	0.152	1.37	0.105	---	0.038	26.4	970	0.019	<0.10	14.8	0.0544	1.78	46.6	0.41
Plot 71	06-Jun-22	15867220606004	456	0.038	0.215	72.7	0.023	<0.010	4.9	0.117	0.759	0.447	3.52	635	0.952	<0.50	565	0.0673	0.214	1.07	0.09	---	0.0218	23.7	830	0.0138	0.19	10	0.0563	1.18	40.6	0.46
Plot 71	30-May-24	15867240530036	590	0.036	0.25	113	0.028	---	8.4	0.16	0.886	0.529	3.98	748	1.67	<0.50	962	0.078	0.222	1.21	0.082	---	0.0302	28.2	910	0.0205	0.17	13.4	0.0595	1.53	45.6	0.45

TABLE G1

Historical Live Moss Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Si mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 109	15-May-08	15867080515005	1730	0.6	0.53	44.8	<0.5	---	3	0.67	3.9	<1.0	21.2	898	28.2	0.6	300	1.06	0.5	2.3	<1	156	<0.3	7.9	734	0.05	2.7	85	0.06	2.8	54.2	2
Plot 109	12-Jun-09	15867090612019	1320	0.3	0.274	49.2	<0.5	---	4	0.32	4.8	<1.0	14.7	1090	14.4	0.5	418	0.47	0.48	3.4	<1	6850	<0.3	8.3	1360	0.03	1.4	92	0.08	2.1	32.1	1
Plot 109	26-May-10	15867100526032	1730	0.5	0.348	66.4	<0.5	---	5	0.91	5.2	<1.0	20.5	1420	20.8	0.7	755	2.2	0.42	3.6	<1	10100	<0.3	11.8	1810	0.04	1.3	109	0.09	3	76.7	<0.1
Plot 109	31-May-11	15867110531045	4120	0.5	0.888	92.2	<0.5	---	6	0.57	9	<1.0	17.6	3410	16.8	2.2	507	0.46	0.52	4	<1	16300	<0.3	16	861	0.11	1.5	262	0.16	10.1	60.6	7.6
Plot 109	01-Jun-12	15867120601058	1450	<0.1	0.315	47.9	<0.5	---	<2	0.59	2.4	<1.0	13.5	1060	14.6	<0.4	381	0.42	<0.02	2.7	<1	4010	<0.3	7.9	810	<0.02	<1.0	78	0.04	2.1	48.5	1.3
Plot 109	05-Jun-13	15867130605072	1500	2.8	0.388	46.5	<0.5	---	15	0.5	2.8	<1.0	15.2	980	12.5	1	806	0.47	0.32	2.1	<1	5500	<0.3	9.6	850	0.06	<1.0	64	0.06	2.5	75.2	5.8
Plot 109	30-May-14	15867140530085	1230	0.3	0.362	54.9	<0.5	---	<2	0.49	3.2	<1.0	11.8	1040	16.1	<0.4	575	0.69	0.38	2.9	<1	3640	<0.3	8.6	826	0.05	1.2	80	0.05	2.6	63.3	<0.1
Plot 109	04-Jun-15	15867150604008	610	0.49	0.37	35	<0.40	---	2.1	0.51	1.7	<0.50	20	890	19	<0.80	350	0.16	0.58	2.2	<0.50	---	<0.20	5.8	870	0.032	1.1	15	0.043	1.3	64	0.78
Plot 109	31-May-16	15867160531006	280	0.29	0.24	28	<0.40	---	2.6	0.36	<1.0	<0.50	13	440	13	<0.80	290	0.35	0.41	1.4	<0.50	---	<0.20	4.8	610	<0.020	<1.0	9.5	<0.040	<1.0	51	0.27
Plot 109	31-May-17	15867170531005	200	0.2	0.34	19	<0.40	---	<2.0	0.23	<1.0	<0.50	10	350	9.5	<0.80	380	0.058	0.36	<1.0	<0.50	---	<0.20	3.6	590	<0.026	1.4	9.6	<0.040	<1.0	44	0.83
Plot 109	30-May-18	15867180530006	310	0.32	0.62	28	<0.40	---	<3.7	0.3	2.3	<0.50	8.4	550	13	<3.1	680	0.53	0.61	2.6	<0.50	---	<0.20	4.4	750	<0.052	<1.0	9.2	<0.080	1.1	62	<1.0
Plot 109	30-May-19	15867190530015	492	0.302	0.889	33.6	0.02	0.268	3.9	0.36	1.54	0.351	9.69	705	12.3	<0.50	568	0.321	0.576	2.08	0.106	---	0.0904	7.05	970	0.0246	0.96	18.4	0.0351	1.39	79.8	0.53
Plot 109	03-Jun-20	15867200603009	775	0.455	0.9	45.1	0.027	0.372	4.3	0.561	2.38	0.463	14.6	1150	19.2	<0.50	634	1.01	0.682	2.84	0.145	---	0.139	7.01	1120	0.0423	1.47	27.9	0.0531	2.21	89.3	0.43
Plot 109	07-Jun-22	15867220607008	473	0.234	0.56	32.5	0.02	0.224	5.7	0.253	1.39	0.32	8.95	712	9.28	<0.50	826	0.477	0.405	1.7	0.116	---	0.07	7.05	1160	0.0256	0.82	16.4	0.0384	1.31	78	<0.20
Plot 109	29-May-24	15867240529028	517	0.258	0.548	36.6	0.02	---	7.4	0.228	1.31	0.338	8.7	712	9.77	<0.50	878	0.231	0.375	1.92	0.102	---	0.0755	8.24	1000	0.0233	0.86	17.3	0.0379	1.35	81.4	<0.80
Plot 110	15-May-08	15867080515006	685	<0.1	0.122	40.1	<0.5	---	4	0.09	<1.0	<1.0	3.9	345	<3.0	<0.4	424	0.58	0.1	<2.0	<1	112	<0.3	13.9	669	<0.02	<1.0	27	<0.04	1.2	59.2	0.4
Plot 110	12-Jun-09	15867090612020	1670	<0.1	0.252	43.4	<0.5	---	5	0.14	2.2	<1.0	5.8	994	4.2	0.7	734	0.36	0.25	2	<1	9710	<0.3	10.8	1240	0.02	<1.0	109	0.12	2.9	34.6	1.5
Plot 110	26-May-10	15867100526033	1640	<0.1	0.092	51.2	<0.5	---	4	0.14	1.9	<1.0	6.6	843	3.5	0.4	712	0.46	0.07	<2.0	<1	7880	<0.3	10.7	1490	<0.02	<1.0	64	0.06	2	52.1	<0.1
Plot 110	31-May-11	15867110531046	1230	<0.1	0.062	65.2	<0.5	---	7	0.17	1.6	<1.0	5.6	691	<3.0	0.4	736	0.18	0.15	<2.0	<1	5080	<0.3	21.9	1080	0.02	<1.0	53	0.05	0.9	68.9	1.8
Plot 110	01-Jun-12	15867120601059	1110	<0.1	0.122	47.4	<0.5	---	<2	0.14	<1.0	<1.0	2.7	638	<3.0	<0.4	643	0.32	<0.02	<2.0	<1	3440	0.9	12.3	1020	<0.02	<1.0	49	<0.04	1.4	54.4	<0.1
Plot 110	04-Jun-13	15867130604073	1660	2.5	0.308	38.6	<0.5	---	10	0.16	1.8	<1.0	6.6	923	3.1	0.9	393	0.26	0.26	<2.0	<1	5330	<0.3	9.5	820	0.04	<1.0	56	0.08	2.3	43	9.4
Plot 110	30-May-14	15867140530086	554	<0.1	0.099	35.9	<0.5	---	<2	0.1	1	<1.0	3	385	2.8	<0.4	458	0.51	0.09	<2.0	<1	2020	<0.3	12.9	668	0.04	<1.0	33	<0.04	1	51.4	<0.1
Plot 110	04-Jun-15	15867150604010	250	0.14	0.098	59	<0.40	---	4.8	0.16	<1.0	<0.50	8.1	390	3.5	<0.80	1100	<0.050	0.2	<1.0	<0.50	---	<0.20	23	900	0.026	<1.0	7.1	<0.040	<1.0	63	0.33
Plot 110	31-May-16	15867160531008	150	10	0.49	67	<0.40	---	5.7	0.16	<1.0	<0.50	9.5	250	3.6	<0.80	950	0.16	2.9	<1.0	<0.50	---	<0.20	24	850	0.021	1.9	5.4	<0.040	<1.0	65	<0.20
Plot 110	31-May-17	15867170531007	200	<0.12	0.19	61	<0.40	---	3.9	0.12	<1.0	0.53	5.2	380	3.7	<0.80	980	0.097	0.19	<1.0	<0.50	---	<0.20	22	760	<0.026	<1.0	6.9	<0.040	<1.0	50	0.72
Plot 110	30-May-18	15867180530007	270	<0.26	0.25	48	<0.40	---	6.3	0.13	7	<0.50	7.8	450	3.9	<3.1	1100	0.24	0.28	1.3	<0.50	---	1.3	15	870	<0.052	<1.0	6.1	<0.080	<1.0	71	<1.0
Plot 110	30-May-19	15867190530018	383	0.068	0.239	78.7	0.016	0.072	4.6	0.119	0.571	0.245	3.6	477	3.32	<0.50	912	0.16	0.159	0.81	0.105	---	0.0485	18.8	1080	0.0213	0.37	10.5	0.0626	0.94	62.3	0.21
Plot 110	03-Jun-20	15867200603011	304	0.05	0.161	70.5	0.01	0.056	5.6	0.0864	0.469	0.256	3.81	393	2.15	<0.50	1050	0.143	0.148	0.66	0.074	---	0.0236	19.6	840	0.0204	0.13	7.87	0.0308	0.81	61.3	<0.20
Plot 110	07-Jun-22	15867220607010	311	0.052	0.206	87.1	0.012	0.049	5.3	0.0933	0.503	0.426	4.02	450	1.99	<0.50	1200	0.148	0.185	0.64	0.084	---	0.0337	22.3	860	0.0228	0.12	6.99	0.0254	0.81	56.7	<0.20
Plot 110	29-May-24	15867240529024	283	0.044	0.154	78.9	0.01	---	5.6	0.0924	0.434	0.31	3.66	362	1.67	<0.50	968	0.128	0.124	0.65	0.062	---	0.0298	21.6	820	0.017	0.13	7.53	0.0226	0.74	51	0.22
Plot 114	15-May-08	15867080515007	1410	0.3	0.32	35.4	<0.5	---	4	0.61	2.4	<1.0	15.3	730	7.8	0.5	945	0.6	0.34	<2.0	<1	149	<0.3	8.6	846	0.05	1.4	70	0.05	2.3	70.6	1.5
Plot 114	12-Jun-09	15867090612021	1360	0.2	0.225	23.7	<0.5	---	3	0.52	3.3	<1.0	15.3	853	7.5	0.4	292	0.31	0.46	2.3	<1	5330	<0.3	6.8	960	0.02	<1.0	87	0.07	1.8	31	0.7
Plot 114	26-May-10	15867100526034	1340	0.3	0.248	38.4	<0.5	---	<2	0.88	3.6	<1.0	19.8	1070	12.1	<0.4	263	0.43	0.34	2.6	<1	6750	<0.3	7.9	1110	0.03	<1.0	103	0.07	2.2	49.6	<0.1
Plot 114	31-May-11	15867110531047	1950	0.5	0.211	34.6	<0.5	---	4	0.46	3.1	<1.0	15.3	989	9.8	0.5	324	0.21	0.34	2.6	<1	4490	<0.3	7.8	799	0.04	2.3	86	0.07	1.6	52	2.5
Plot 114	01-Jun-12	15867120601060	1560	<0.1	0.294	45	<0.5	---	<2	0.62	2.1	<1.0	16.6	942	8.8	<0.4	366	0.02	<0.02	<2.0	<1	3550	<0.3	6.9	807	<0.02	<1.0	87	<0.04	1.9	47.6	<0.1
Plot 114	04-Jun-13	15867130604074	1910	2.5	0.266	38.5	<0.5	---	9	0.76	2.7	<1.0	17	929	8.6	0.8	368	0.17	0.31	2.4	<1	3860	<0.3	7.8	752	0.05	<1.0	79	0.06	1.8	54.2	7
Plot 114	31-May-14	15867140531087	772	0.1	0.173	23.6	<0.5	---	<2	0.35	1.6	<1.0	7.8	466	6.7	<0.4	419	0.52	0.18	<2.0	<1	1820	<0.3	5.4	586	0.03	<1.0	44	<0.04	1.2	47.2	<0.1
Plot 114	04-Jun-15	15867150604007	2400	0.22	0.64	120	<0.40	---	4.8	0.98	2.2	2.6	14	2500	6.7	1.1	1200	0.19	0.64	4	<0.50	---	<0.20	37	1000	0.047	<1.0	16	0.31	3.8	48	2.7
Plot 114	01-Jun-16	15867160601010	220	0.12	0.14	68	<0.40	---	8.8	0.55	<1.0	<0.50	7.2	300	3.4	<0.80	1300	0.12	0.28	1.1	<0.50	---	<0.20	24	630	<0.020	<1.0	5.6	<0.040	<1.0	64	0.31
Plot 114	31-May-17	15867170531004	560	0.25	0.46	76	<0.40	---	8.7	0.7	1.1	0.65	9.6	780	8	<0.80	1300	0.24	0.63	2.5	<0.50	---	<0.20	24	830	0.028	1.3	18	0.077	1.4	71	1.7
Plot 114	30-May-18	15867180530004	560	0.27	0.43	61	<0.40	---	6.8	0.52	3.3	<0.50	12	660	9.8	<3.1	1200	0.4	0.69	2.7	<0.50	---	0.3	15	840	<0.052	1.2	15	<0.080	1.3	70	<1.0
Plot 114	31-May-19	15867190531024	587	0.213	0.516	29.2	0.016	0.249	4.7	0.344	0.962	0.359	8.84	493	7.72	<0.50	721	0.263	0.412	1.81	0.096	---	0.0905	6.85	790	0.0192	0.92	15.2	0.0228	0.87	77.6	<0.20
Plot 114	03-Jun-20	15867200603007	577	0.299	0.535	39.3	0.02	0.289	7.4	0.408	1.35	0.408	11.2	684	12.6	<0.50	1440	0.474	0.517	1.83	0.106	---	0.133	9.07	1050	0.0241	1.29	19.9	0.0308	1.18	114	<0.20
Plot 114	07-Jun-22	15867220607007	708	0.234	0.513	88.5	0.043	0.26	8.6	0.737	1.61	0.546	9.56	826	9.21	<0.50	1230	0.872	0.456	1.99	0.111	---	0.0931	27.8	950	0.0253	1.14	21.2	0.0689	1.5	89.9	0.29
Plot 114	30-May-24	15867240530035	771	0.25	0.567	59.2	0.025	---	7.3	0.909	1.36	0.564	8.91	710	9.33	<0.50	966	0.359	0.466	1.99	0.122	---	0.122	15.4	900	0.021	1.03	19.2	0.0428	1.38	91.2	0.25
Plot 117	15-May-08	15867080515008	677	<0.1	0.157	24.1	<0.5	---	3	0.21	<1.0	<1.0	5.3	361	<3.0	<0.4	509	0.57	0.12	<2.0	<1	201	<0.3	4.6	780	0.03	<1.0	28	<0.04	1.2	36.5	0.5
Plot 117	12-Jun-09	15867090612022	2850	0.1	0.307	67.1	<0.5	---	3	0.22	2.9	<1.0	6.6	1400	4.7	0.9	400	0.13	0.24	3.2	<1	12400	<0.3	13.5	1080	0.03	<1.0	154	0.12	4.2	19.9	3.4
Plot 117	26-May-10	15867100526035	1420	<0.1	<0.050	53.4	<0.5	---	<2	0.24	2.9	<1.0	5.6	700	3.6	<0.4	371	0.12	0.05	2.9	<1	7030	<0.3	11.4	981	<0.02	<1.0	60	0.05	1.5	24.8	<0.1
Plot 117	31-May-11	15867110531048	1900	0.1	0.102	62.2	<0.5	---	3	0.33	2.2	<1.0	7	843	3.9	0.5	505	0.09	0.15	3.1	<1	5280	<0.3	16.3	894	0.04	<1.0	69	0.05	1.6	34.4	2.2
Plot 117	01-Jun-12	15867120601061	1900	<0.1	0.225	50	<0.5	---	<2	0.42	1.6	1.7	4.4	1060	<3.0	<0.4	300	0.09	<0.02	<2.0	<1	10200	<0.3	16.5	1040	<0.02	<1.0	80	0.06	2.8	39.1	1.3
Plot 117	04-Jun-13	15867130604075	1600	2.4	0.183	37.1	<0.5	---	8	0.34	1.4	<1.0	7.4	740	4.2	0.7	233	0.15	0.16	2	<1	3760	<0.3	7.6	612	0.04	<1.0	47	0.05	1.8	25.8	6.8
Plot 117	31-May-14	15867140531088	720	<0.1	0.132	16.8	<0.5	---	<2	0.1	1.3	<1.0	3.7	462	2.1	<0.4	261	0.42	0.07	<2.0	<1	1760	<0.3	4.3	490	<0.02	<1.0	43	<0.04	1.2	21.5	<0.1
Plot 117	04-Jun-15	15867150604011	880	0.14	0.19	22	<0.40	---	2.5	0.35	<1.0	<0.50	12	580	3	<0.80	280	0.055	0.19	1.8	<0.50	---	<0.20	3.8	760	0.03	<1.0	8.7	<0.040	<1.0	35	1.1
Plot 117	01-Jun-16	15867160601009	470	<0.10	0.11	15	<0.40	---	3	0.2	<1.0	<0.50	8.5	250	1.5	<0.80	430	0.072	0.1	1.3	<0.50	---	<0.20	3.6	560	<0.020	<1.0	4.2	<0.040	<1.0	29	0.47
Plot 117	31-May-17	15867170531003	460	<0.12	0.17	29	<0.40	---	2.5	0.23	<1.0	<0.50	6.1	350	2.1	<0.80	480	<0.050	0.14	1.4	<0.50	---	<0.20	3.6	680	<0.026	1.1	6.2	<0.040	<1.0	32	1.4
Plot 117	30-May-18	15867180530005	490	<0.26	0.2	33	<0.40	---	<3.7	0.17	2	<0.50	5.3	370	2.1	<3.1	430	0.14	0.34	2.4	<0.50	---	<0.20	6.2	690	<0.052	<1.0	4.9	<0.080	<1.0	35	<1.0
Plot 117	31-May-19	15867190531023	739	0.058	0.217	20.4	0.018	0.053	2.6	0.184	0.571	0.36	3.9	387	2.26	<0.50	424	0.0739	0.124	1.7	0.109	---	0.0497	4.79	680	0.0135	0.24	7.26	0.0206	0.75	31.6	<0.20
Plot 117	03-Jun-20	15867200603006	630	0.09	0.192	28.4	0.016	0.067	3.4	0.269	0.6	0.382	5.86	438	2.21	<0.50	509	0.146	0.149	1.76	0.101	---	0.0864	6.69	820	0.0164	0.24	9.57	0.021	0.82	43.6	<0.20
Plot 117	07-Jun-22	15867220607006	747	0.071	0.214	28.3	0.017	0.061	3.8	0.201	0.656	0.391	4.18	436	2.03	<0.50	549	0.114	0.163	1.82	0.11	---	0.0509	4.74	720	0.0228	0.52	9.66	0.0216	0.78	43.4	0.27
Plot 117	30-May-24	15867240530034	787	0.066	0.234	27	0.018	---	4.2	0.266	0.615	0.396	4.69	462	2.08	<0.50	479	0.107	0.142	1.91	0.119	---	0.0706	5.95	950	0.0192	0.38	10.9	0.0227	0.89	43.6	0.25

TABLE G1

Historical Live Moss Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Si mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 123	15-May-08	15867080515009	854	<0.1	0.16	44.9	<0.5	---	3	0.09	1.3	<1.0	3.7	426	<3.0	<0.4	592	0.44	0.13	2.6	<1	128	<0.3	8.3	795	<0.02	<1.0	34	<0.04	1.4	42.6	0.7
Plot 123	12-Jun-09	15867090612023	1250	<0.1	0.15	57.7	<0.5	---	4	0.12	1.5	<1.0	5.1	707	<3.0	0.4	387	0.1	0.27	<2.0	<1	7560	<0.3	10.7	1310	<0.02	<1.0	64	0.07	1.8	16.7	0.2
Plot 123	26-May-10	15867100526036	1530	<0.1	0.092	66.7	<0.5	---	3	0.11	1.2	<1.0	5.2	758	<3.0	<0.4	873	0.1	0.06	<2.0	<1	7320	<0.3	10.1	1690	<0.02	<1.0	62	0.05	1.8	46	<0.1
Plot 123	31-May-11	15867110531049	894	<0.1	<0.050	38.8	<0.5	---	3	0.05	1.4	<1.0	3.9	506	<3.0	<0.4	766	0.05	0.11	<2.0	<1	3640	<0.3	6.8	795	0.02	<1.0	39	<0.04	<0.6	27.9	1.5
Plot 123	01-Jun-12	15867120601062	673	<0.1	0.054	33.4	<0.5	---	<2	0.05	<1.0	<1.0	0.5	374	<3.0	<0.4	482	0.05	<0.02	<2.0	<1	1970	<0.3	4.8	636	<0.02	<1.0	30	<0.04	0.7	17	<0.1
Plot 123	04-Jun-13	15867130604076	933	2.3	0.054	53.6	<0.5	---	11	0.14	<1.0	<1.0	6.6	467	<3.0	0.5	507	0.06	0.17	<2.0	<1	4670	<0.3	9.8	701	0.02	<1.0	34	<0.04	1.3	29.8	4.7
Plot 123	30-May-14	15867140530089	319	<0.1	0.12	30.3	<0.5	---	<2	0.03	<1.0	<1.0	1.9	210	0.8	<0.4	333	0.34	0.07	<2.0	<1	1680	<0.3	8.1	525	0.03	<1.0	17	<0.04	0.7	24.4	<0.1
Plot 123	03-Jun-15	15867150603001	300	0.1	0.13	24	<0.40	---	3.2	0.12	<1.0	<0.50	10	440	1.1	<0.80	750	<0.050	0.13	1.3	<0.50	---	<0.20	5.2	950	0.024	<1.0	6.5	<0.040	<1.0	58	1.7
Plot 123	30-May-16	15867160530003	180	<0.10	0.067	21	<0.40	---	3.6	0.058	<1.0	<0.50	7	200	0.53	<0.80	580	0.058	<0.10	<1.0	<0.50	---	<0.20	3.3	570	<0.020	<1.0	2.8	<0.040	<1.0	31	<0.20
Plot 123	31-May-17	15867170531009	300	<0.12	0.11	19	<0.40	---	3.4	0.081	<1.0	<0.50	5.2	240	0.58	<0.80	580	<0.050	<0.10	<1.0	<0.50	---	<0.20	3.8	670	<0.026	<1.0	3.5	<0.040	<1.0	30	0.55
Plot 123	31-May-18	15867180531009	380	<0.26	0.24	31	<0.40	---	<3.7	0.12	1.7	<0.50	6.4	400	1.1	<3.1	890	0.13	0.23	2	<0.50	---	0.49	5.3	830	<0.052	<1.0	3.8	<0.080	<1.0	48	1.4
Plot 123	30-May-19	15867190530014	329	0.025	0.158	31	0.015	0.014	4.1	0.0944	0.449	0.256	3.86	388	0.789	<0.50	864	0.0896	0.083	1.23	0.091	---	0.0366	6.81	950	0.0225	0.24	8.06	0.0232	0.79	57.5	0.24
Plot 123	02-Jun-20	15867200602003	496	0.044	0.179	34.8	0.018	0.02	5.4	0.107	0.645	0.273	4.12	541	1.29	<0.50	912	0.113	0.121	1.35	0.092	---	0.0385	6.99	960	0.0304	0.14	10.1	0.0264	1.09	53.5	<0.20
Plot 123	06-Jun-22	15867220606003	428	0.031	0.153	17.7	0.016	0.014	4.3	0.0733	0.48	0.192	3.47	392	0.745	<0.50	798	0.259	0.076	1.14	0.071	---	0.0286	4.99	790	0.0204	0.2	7.48	0.0211	0.77	49.9	0.21
Plot 123	28-May-24	15867240528007	486	0.043	0.148	35.7	0.018	---	7	0.0953	0.522	0.238	3.71	410	0.744	<0.50	1100	0.1	0.081	1.33	0.068	---	0.0326	7.61	940	0.0243	0.16	8.92	0.022	0.86	57.7	0.26
Plot 402	15-May-08	15867080515010	1030	<0.1	0.177	31	<0.5	---	3	0.07	1.1	<1.0	3.1	438	<3.0	<0.4	787	0.48	0.11	<2.0	<1	162	<0.3	10.5	703	<0.02	<1.0	39	<0.04	1.6	51.1	0.8
Plot 402	12-Jun-09	15867090612024	1650	<0.1	0.185	47.5	<0.5	---	4	0.08	1.9	<1.0	3.8	845	<3.0	0.5	622	0.1	0.14	<2.0	<1	8480	<0.3	12.6	1140	0.02	<1.0	89	0.09	2.3	30.9	1.3
Plot 402	25-May-10	15867100525037	1360	<0.1	0.052	54.4	<0.5	---	3	0.29	1.3	<1.0	5.1	819	<3.0	0.5	795	0.08	0.03	<2.0	<1	7590	<0.3	11.7	1450	<0.02	<1.0	67	0.06	1.8	56.7	<0.1
Plot 402	31-May-11	15867110531050	2030	<0.1	0.112	63.5	<0.5	---	4	0.13	3	<1.0	4.8	946	<3.0	0.6	561	0.08	0.17	2	<1	7830	<0.3	23.6	924	0.04	<1.0	85	0.08	1.7	47.5	2.7
Plot 402	01-Jun-12	15867120601063	1630	<0.1	0.137	59.4	<0.5	---	<2	0.55	<1.0	<1.0	2	790	<3.0	<0.4	406	0.05	<0.02	<2.0	<1	3210	<0.3	13.6	907	<0.02	<1.0	68	0.06	1.7	46.8	<0.1
Plot 402	04-Jun-13	15867130604077	1500	2.2	0.146	68.1	<0.5	---	16	0.36	1.5	1.2	6.7	738	<3.0	0.9	1710	0.11	0.12	<2.0	<1	5870	<0.3	28.7	987	0.04	<1.0	55	0.06	1.6	77.4	5.9
Plot 402	30-May-14	15867140530090	1030	<0.1	0.18	31.4	<0.5	---	<2	0.03	1.8	<1.0	2.9	636	1.3	<0.4	543	0.38	0.08	<2.0	<1	3120	<0.3	7.6	582	0.08	<1.0	61	0.06	1.9	34	<0.1
Plot 402	04-Jun-15	15867150604012	350	<0.10	0.15	18	<0.40	---	<2.0	0.23	<1.0	<0.50	11	480	0.78	<0.80	290	<0.050	<0.10	<1.0	<0.50	---	<0.20	6.2	630	<0.020	<1.0	6.6	<0.040	<1.0	41	0.95
Plot 402	30-May-16	15867160530001	320	<0.10	0.19	24	<0.40	---	4.1	0.21	<1.0	<0.50	8.7	460	0.82	<0.80	320	0.054	<0.10	<1.0	<0.50	---	<0.20	7.9	590	<0.020	<1.0	6.8	<0.040	<1.0	30	0.46
Plot 402	31-May-17	15867170531001	430	0.16	0.25	32	<0.40	---	4.4	0.11	1	0.68	9.3	640	1.4	<0.80	440	<0.050	0.1	1.4	<0.50	---	<0.20	10	810	<0.026	<1.0	9.9	0.056	1.1	38	3.4
Plot 402	29-May-18	15867180529001	460	<0.26	0.27	38	<0.40	---	5.7	0.13	2.7	<0.50	6.5	660	1.3	<3.1	730	0.17	0.43	2.8	<0.50	---	<0.20	15	880	<0.052	<1.0	12	<0.080	1.4	53	<1.0
Plot 402	30-May-19	15867190530010	700	0.029	0.284	49.9	0.031	<0.010	3.8	0.129	0.921	0.48	3.69	791	1.07	<0.50	720	0.0951	0.101	1.48	0.09	---	0.0371	14	1070	0.0232	0.13	14.9	0.0533	1.63	56.6	0.64
Plot 402	02-Jun-20	15867200602001	771	0.036	0.278	56	0.032	0.016	5.5	0.0901	0.985	0.584	4.51	834	1.3	<0.50	647	0.127	0.102	1.71	0.093	---	0.0301	18.8	860	0.0219	0.11	15.5	0.0686	1.69	59.4	0.38
Plot 402	06-Jun-22	15867220606001	1470	0.036	0.568	49.8	0.045	0.022	4.5	0.138	1.64	0.713	4.19	1300	1.66	0.57	515	0.115	0.163	1.89	0.124	---	0.205	15.9	780	0.0419	3.53	23.9	0.128	3.34	53.4	0.85
Plot 402	27-May-24	15867240527001	570	0.033	0.258	58.2	0.03	---	7.1	0.289	1.02	0.608	4.05	670	0.906	<0.50	741	0.0968	0.123	1.6	0.091	---	0.0318	22.2	930	0.0275	0.18	13.2	0.0515	1.32	64.8	0.66

TABLE G2

Historical Live Moss Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	pH	EC dS/m	Saturation %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 4	15-May-08	15867080515001	6.1	0.553	1410	3650	603	2550	289	907	842
Plot 4	12-Jun-09	15867090612013	4.74	0.546	1180	5260	741	2900	259	1110	1230
Plot 4	25-May-10	15867100525028	5.08	0.614	1000	6640	1050	4580	330	1450	1740
Plot 4	31-May-11	15867110531041	4.78	0.984	628	7600	888	3250	349	1070	963
Plot 4	01-Jun-12	15867120601054	5.2	0.831	771	6380	1030	3690	529	983	778
Plot 4	05-Jun-13	15867130605067	5.03	0.311	1040	6220	778	2600	361	908	844
Plot 4	29-May-14	15867140529081	4.93	0.594	900	7750	713	3460	291	959	880
Plot 4	03-Jun-15	15867150603006	4.27	0.609	778	7800	890	2100	<50	1000	920
Plot 4	31-May-16	15867160531005	4.4	1.12	579	7900	850	2000	<50	990	830
Plot 4	31-May-17	15867170531008	4.6	0.643	894	6800	870	2200	<50	1100	980
Plot 4	29-May-18	15867180529003	4.62	0.785	636	8700	900	3400	<50	1200	1100
Plot 4	31-May-19	15867190531030	4.51	0.658	684	7420	1060	2640	35	1300	1100
Plot 4	03-Jun-20	15867200603008	4.61	1.29	535	7980	877	2330	45	1230	1100
Plot 4	29-May-24	15867240529026	4.67	0.146	1300	8060	994	3260	39	1350	1050
Plot 11	15-May-08	15867080515002	5.67	0.624	1450	4990	716	3290	174	1010	850
Plot 11	12-Jun-09	15867090612014	4.69	0.407	2000	4320	643	3020	183	1150	1430
Plot 11	26-May-10	15867100526029	4.81	0.479	1060	5290	821	3910	264	1180	1500
Plot 11	31-May-11	15867110531042	4.52	0.928	929	5530	967	3940	183	1030	868
Plot 11	01-Jun-12	15867120601055	4.62	0.643	872	5100	838	3190	580	905	795
Plot 11	05-Jun-13	15867130605068	4.8	0.548	994	5160	844	3130	346	1130	952
Plot 11	31-May-14	15867140531082	4.58	0.663	1230	5440	692	4400	153	1080	814
Plot 11	03-Jun-15	15867150603003	4.25	0.51	999	5700	750	3100	<50	1000	840
Plot 11	31-May-16	15867160531004	4.47	1	634	6600	680	1700	<50	880	710
Plot 11	01-Jun-17	15867170601010	4.57	0.501	969	5200	720	2100	<50	970	790
Plot 11	31-May-18	15867180531012	4.55	0.695	791	5700	740	3900	<50	1200	810
Plot 11	01-Jun-19	15867190601032	4.48	0.469	1030	4970	1000	4790	27	1490	1060
Plot 11	02-Jun-20	15867200602004	4.5	0.948	737	4030	694	2540	28	1120	920
Plot 11	28-May-24	15867240528017	4.92	0.184	1160	6710	752	2670	28	1070	880
Plot 28	05-Jun-13	15867130605069	4.61	0.434	1260	3800	566	2840	189	871	737
Plot 28	03-Jun-15	15867150603002	4.08	0.482	1010	4000	860	3200	<50	1200	950
Plot 40	15-May-08	15867080515011	4.81	0.625	977	4380	703	2370	368	829	869
Plot 40	12-Jun-09	15867090612025	4.94	0.477	1100	6930	677	2240	510	882	1300
Plot 40	25-May-10	15867100525038	4.74	0.541	956	6780	1020	3990	354	1070	1430
Plot 40	31-May-11	15867110531051	4.72	1.26	616	8440	991	3480	384	1160	1040
Plot 40	01-Jun-12	15867120601064	4.63	0.556	756	6520	796	3170	495	890	901
Plot 40	05-Jun-13	15867130605078	4.88	0.5	1530	8790	962	3540	507	1070	880
Plot 40	29-May-14	15867140529091	4.73	0.433	1290	7820	703	3450	334	869	871

TABLE G2

Historical Live Moss Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	pH	EC dS/m	Saturation %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 41	15-May-08	15867080515012	5.4	0.838	1060	5100	686	3210	239	1170	1030
Plot 41	12-Jun-09	15867090612026	4.24	0.485	1830	4520	807	4380	135	1310	1210
Plot 41	26-May-10	15867100526039	4.35	0.738	975	5550	1130	3650	199	1060	1360
Plot 41	31-May-11	15867110531052	4.45	0.862	1460	6310	1050	4400	181	1170	948
Plot 41	01-Jun-12	15867120601065	4.37	0.623	1050	4330	774	3290	247	948	1010
Plot 41	05-Jun-13	15867130605079	4.64	0.54	1410	5430	780	3210	179	1090	848
Plot 41	31-May-14	15867140531092	4.42	0.535	2140	3780	815	8180	69	1230	765
Plot 70	15-May-08	15867080515003	5.88	0.717	688	2490	1060	4480	1510	720	796
Plot 70a	12-Jun-09	15867090612015	4.71	0.503	1250	3160	566	3760	776	941	1170
Plot 70b	12-Jun-09	15867090612016	4.33	0.369	1620	2530	606	3120	366	918	1170
Plot 70c	12-Jun-09	15867090612017	4.26	0.386	1060	2230	549	2790	398	773	1090
Plot 70	25-May-10	15867100525030	4.89	0.787	918	8670	1270	4710	586	1340	1780
Plot 70	31-May-11	15867110531043	5.15	0.949	830	4070	1110	4470	577	1050	991
Plot 70	01-Jun-12	15867120601056	4.76	0.832	1100	2800	984	3780	401	835	820
Plot 70	05-Jun-13	15867130605070	4.49	0.374	1500	3770	866	2620	359	850	735
Plot 70	31-May-14	15867140531083	4.76	0.288	1220	3910	656	2550	559	717	787
Plot 70	04-Jun-15	15867150604015	4.56	0.624	886	4300	1100	3400	<50	1000	840
Plot 70	02-Jun-16	15867160602012	4.4	0.596	751	4000	580	1900	<50	900	750
Plot 70	01-Jun-17	15867170601012	4.47	0.524	1220	3700	830	2900	84	1100	870
Plot 70	31-May-18	15867180531011	4.5	0.685	1040	5100	840	2800	<50	1200	990
Plot 70	01-Jun-19	15867190601041	4.52	0.599	1100	4080	1130	4950	79	1560	1060
Plot 70	02-Jun-20	15867200602005	4.31	0.556	996	4230	916	4130	74	1340	980
Plot 70	30-May-24	15867240530037	4.5	0.171	1150	4420	845	3590	54	1090	700
Plot 71	15-May-08	15867080515004	6.27	0.664	1040	4960	719	2460	292	833	774
Plot 71	12-Jun-09	15867090612018	4.81	0.507	1110	6710	820	2070	461	893	1430
Plot 71	25-May-10	15867100525031	5.43	0.955	893	8900	1810	4550	364	1540	1690
Plot 71	31-May-11	15867110531044	4.72	0.631	1240	7100	978	3770	262	1200	1030
Plot 71	01-Jun-12	15867120601057	4.95	0.638	882	6730	742	2760	316	903	982
Plot 71	05-Jun-13	15867130605071	4.78	0.397	1910	5990	1570	7120	3570	831	555
Plot 71	31-May-14	15867140531084	4.72	0.59	1300	7370	997	3520	385	864	975
Plot 71	04-Jun-15	15867150604014	4.63	0.648	933	7200	970	2900	<50	1100	1000
Plot 71	02-Jun-16	15867160602011	4.35	0.613	726	4000	530	1900	<50	750	570
Plot 71	01-Jun-17	15867170601011	4.49	0.461	980	6500	830	3500	<50	1100	760
Plot 71	31-May-18	15867180531010	4.77	0.735	924	6700	800	3600	100	1100	850
Plot 71	01-Jun-19	15867190601039	4.39	0.445	869	6200	1180	4440	193	1320	950
Plot 71	03-Jun-20	15867200604012	4.5	0.641	892	7070	803	3150	64	1150	970
Plot 71	30-May-24	15867240530036	4.68	0.188	1020	7010	981	3140	68	1210	910

TABLE G2

Historical Live Moss Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	pH	EC dS/m	Saturation %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 109	15-May-08	15867080515005	5.43	0.49	1170	3210	593	2340	275	770	734
Plot 109	12-Jun-09	15867090612019	4.61	0.426	1430	4650	612	2350	207	959	1360
Plot 109	26-May-10	15867100526032	5.68	0.588	1170	6790	1060	4130	301	1300	1810
Plot 109	31-May-11	15867110531045	4.35	0.612	908	5540	977	3780	678	837	861
Plot 109	01-Jun-12	15867120601058	4.84	0.43	1220	3500	623	2970	205	699	810
Plot 109	05-Jun-13	15867130605072	4.58	0.573	1450	7190	1050	3880	239	1100	850
Plot 109	30-May-14	15867140530085	4.54	0.442	1480	5050	872	3780	166	915	826
Plot 109	04-Jun-15	15867150604008	4.11	0.441	1110	4000	600	2700	<50	1000	870
Plot 109	31-May-16	15867160531006	4.2	0.554	912	3500	500	2100	<50	760	610
Plot 109	31-May-17	15867170531005	4.25	0.47	1030	3200	590	3000	<50	780	590
Plot 109	30-May-18	15867180530006	4.38	0.50	843	4400	660	3500	<50	940	750
Plot 109	30-May-19	15867190530015	4.4	0.58	760	5240	800	3320	28	1230	970
Plot 109	03-Jun-20	15867200603009	4.14	0.74	707	5450	634	2060	40	1200	1120
Plot 109	29-May-24	15867240529028	5	0.261	1030	7160	842	2760	30	1160	1000
Plot 110	15-May-08	15867080515006	5.28	0.6	1180	5300	592	2970	102	836	669
Plot 110	12-Jun-09	15867090612020	5.01	0.581	997	6620	774	1970	266	957	1240
Plot 110	26-May-10	15867100526033	4.53	0.495	1100	6800	915	3720	213	1200	1490
Plot 110	31-May-11	15867110531046	4.47	1.1	680	8270	1070	4130	177	1230	1080
Plot 110	01-Jun-12	15867120601059	4.49	0.517	1060	5960	690	3290	160	1040	1020
Plot 110	04-Jun-13	15867130604073	4.96	0.314	892	4810	608	3080	240	953	820
Plot 110	30-May-14	15867140530086	4.81	0.314	1990	4590	739	4190	85	952	668
Plot 110	04-Jun-15	15867150604010	4.66	0.742	963	8500	860	3400	<50	1200	900
Plot 110	31-May-16	15867160531008	4.55	0.872	648	8200	710	3200	<50	1200	850
Plot 110	31-May-17	15867170531007	4.61	0.71	1180	6100	850	3300	<50	1100	760
Plot 110	30-May-18	15867180530007	4.72	0.758	925	9300	720	3100	<50	1100	870
Plot 110	30-May-19	15867190530018	4.81	0.865	962	6160	1030	5930	21	1720	1080
Plot 110	03-Jun-20	15867200603011	4.53	0.824	812	7670	819	3270	26	1270	840
Plot 110	29-May-24	15867240529024	4.64	0.181	948	6920	830	3480	26	1240	820
Plot 114	15-May-08	15867080515007	5.65	0.557	1450	5040	765	3710	242	1000	846
Plot 114	12-Jun-09	15867090612021	4.5	0.412	1520	2950	568	2440	184	816	960
Plot 114	26-May-10	15867100526034	5.1	0.43	995	3010	760	3380	262	816	1110
Plot 114	31-May-11	15867110531047	4.27	0.449	903	3750	652	2960	246	733	799
Plot 114	01-Jun-12	15867120601060	4.84	0.425	1270	2780	686	2920	228	701	807
Plot 114	04-Jun-13	15867130604074	4.7	0.316	1980	3720	754	2660	221	908	752
Plot 114	31-May-14	15867140531087	4.39	0.365	2160	3530	716	5150	107	861	586
Plot 114	04-Jun-15	15867150604007	5.15	0.808	929	8700	1300	2500	60	1100	1000
Plot 114	01-Jun-16	15867160601010	4.07	0.647	740	9300	690	1800	<50	790	630
Plot 114	31-May-17	15867170531004	3.99	0.286	1070	8000	940	2100	63	930	830
Plot 114	30-May-18	15867180530004	4.31	0.765	589	6200	720	3100	<50	1000	840
Plot 114	31-May-19	15867190531024	4.25	0.492	884	4430	906	3120	31	1050	790
Plot 114	03-Jun-20	15867200603007	4.68	0.922	719	7240	817	3030	33	1230	1050
Plot 114	30-May-24	15867240530035	5.03	0.227	960	5870	707	2570	30	1100	900

TABLE G2

Historical Live Moss Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	pH	EC dS/m	Saturation %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 117	15-May-08	15867080515008	5.48	0.547	1740	3180	852	3980	108	986	780
Plot 117	12-Jun-09	15867090612022	4.55	0.385	1300	3510	595	2040	384	776	1080
Plot 117	26-May-10	15867100526035	5.2	0.296	1480	3690	871	3580	219	766	981
Plot 117	31-May-11	15867110531048	4.73	0.828	951	5050	950	4020	262	1050	894
Plot 117	01-Jun-12	15867120601061	4.48	0.622	1290	4000	1140	4400	220	967	1040
Plot 117	04-Jun-13	15867130604075	4.92	0.219	1610	2820	567	2260	166	658	612
Plot 117	31-May-14	15867140531088	4.25	0.176	2970	2180	501	3300	105	603	490
Plot 117	04-Jun-15	15867150604011	4.17	0.512	926	2700	580	1600	<50	770	760
Plot 117	01-Jun-16	15867160601009	4.16	0.531	761	3100	590	2100	<50	690	560
Plot 117	31-May-17	15867170531003	4.27	0.418	999	2800	720	2800	<50	890	680
Plot 117	30-May-18	15867180530005	4.33	0.555	1030	3500	840	3800	<50	940	690
Plot 117	31-May-19	15867190531023	4.33	0.447	840	2800	708	2570	27	852	680
Plot 117	03-Jun-20	15867200603006	4.37	0.453	1030	3780	677	3310	30	1240	820
Plot 117	30-May-24	15867240530034	4.27	0.181	1090	3620	746	2730	28	1030	950
Plot 123	15-May-08	15867080515009	4.94	0.519	1520	4290	835	3470	150	930	795
Plot 123	12-Jun-09	15867090612023	4.95	0.776	1100	3360	853	2570	188	1030	1310
Plot 123	26-May-10	15867100526036	4.54	0.592	858	5540	993	3680	204	1150	1690
Plot 123	31-May-11	15867110531049	4.09	0.655	1130	4080	994	4330	152	908	795
Plot 123	01-Jun-12	15867120601062	4.42	0.257	1880	2630	539	3120	115	647	636
Plot 123	04-Jun-13	15867130604076	4.57	0.389	1830	3520	1000	4120	153	1050	701
Plot 123	30-May-14	15867140530089	5.15	0.259	3130	3260	944	4700	67	683	525
Plot 123	03-Jun-15	15867150603001	4.39	0.611	887	5300	790	3200	58	1300	950
Plot 123	30-May-16	15867160530003	4.38	0.688	740	3600	620	2700	<50	850	570
Plot 123	31-May-17	15867170531009	4.31	0.448	1090	3800	700	2800	<50	950	670
Plot 123	31-May-18	15867180531009	4.44	0.735	832	5200	700	3100	<50	1100	830
Plot 123	30-May-19	15867190530014	4.24	0.582	660	5480	974	4080	34	1390	950
Plot 123	02-Jun-20	15867200602003	4.22	0.765	822	5460	694	2990	25	1240	960
Plot 123	28-May-24	15867240528007	4.72	0.267	1020	6960	758	2550	30	1210	940
Plot 402	15-May-08	15867080515010	5.68	0.424	1810	3960	894	4450	197	1150	703
Plot 402	12-Jun-09	15867090612024	4.62	0.539	1220	5470	704	2380	296	902	1140
Plot 402	25-May-10	15867100525037	4.81	0.609	1200	5020	957	5840	276	1190	1450
Plot 402	31-May-11	15867110531050	4.51	0.95	877	7990	1110	4170	362	1130	924
Plot 402	01-Jun-12	15867120601063	4.44	0.516	1180	3730	796	3680	274	970	907
Plot 402	04-Jun-13	15867130604077	5.34	0.623	1140	11400	1120	2900	238	1200	987
Plot 402	30-May-14	15867140530090	4.3	0.306	2370	3360	710	5820	183	888	582
Plot 402	04-Jun-15	15867150604012	4.44	0.496	1360	3100	550	3200	<50	670	630
Plot 402	30-May-16	15867160530001	4.41	0.67	898	3500	420	1400	<50	660	590
Plot 402	31-May-17	15867170531001	4.48	0.516	1040	4900	760	3200	<50	1100	810
Plot 402	29-May-18	15867180529001	4.73	0.708	1030	6600	840	3800	160	1200	880
Plot 402	30-May-19	15867190530010	4.65	0.615	850	5870	1210	5300	23	1630	1070
Plot 402	02-Jun-20	15867200602001	4.5	0.648	975	8500	710	2810	<20	1220	860
Plot 402	27-May-24	15867240527001	4.65	0.15	1160	8940	890	3080	26	1200	930

TABLE G3

Historical Labrador Tea Leaves Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Si mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 4	15-May-08	15867080515101	326	0.1	0.142	84.4	<0.5	---	19	0.21	1	<1.0	6.3	199	<3.0	<0.4	499	0.06	0.1	3.4	<1	114	<0.3	7	1020	0.1	1.5	15	<0.04	<0.6	26.6	<0.1
Plot 4	12-Jun-09	15867090612113	160	<0.1	<0.050	71.3	<0.5	---	17	0.02	<1.0	<1.0	4.3	128	<3.0	<0.4	592	0.03	0.05	<2.0	<1	1730	<0.3	4.4	1270	<0.02	<1.0	10	<0.04	<0.6	16.7	<0.1
Plot 4	25-May-10	15867100525128	269	<0.1	<0.050	87.8	<0.5	---	17	0.03	<1.0	<1.0	4	180	<3.0	<0.4	704	0.02	<0.02	<2.0	<1	1940	<0.3	4.9	1720	<0.02	<1.0	12	<0.04	<0.6	25.1	<0.1
Plot 4	31-May-11	15867110531140	418	<0.1	<0.050	105	<0.5	---	22	<0.02	<1.0	<1.0	5.3	248	<3.0	<0.4	894	0.02	0.06	<2.0	<1	1080	<0.3	7	1270	<0.02	<1.0	20	<0.04	<0.6	33.4	0.8
Plot 4	01-Jun-12	15867120601152	352	<0.1	<0.050	102	<0.5	---	13	0.04	<1.0	<1.0	3.5	202	<3.0	<0.4	915	0.06	<0.02	<2.0	<1	1240	<0.3	7.6	1040	<0.02	<1.0	17	<0.04	<0.6	27.9	<0.1
Plot 4	05-Jun-13	15867130605164	384	2.2	<0.050	81.5	<0.5	---	33	0.08	<1.0	<1.0	6.3	209	<3.0	<0.4	1010	0.05	0.02	<2.0	<1	1510	<0.3	5.2	1040	<0.02	<1.0	15	<0.04	<0.6	41	4
Plot 4	29-May-14	15867140529177	287	<0.1	0.06	135	<0.5	---	<2	0.02	<1.0	<1.0	5.2	194	1.9	<0.4	1110	0.39	0.14	<2.0	<1	475	<0.3	8.2	1390	<0.02	<1.0	14	<0.04	<0.6	38.6	<0.1
Plot 4	03-Jun-15	15867150603106	130	<0.10	<0.050	91	<0.40	---	20	0.045	<1.0	<0.50	10	150	1.2	<0.80	960	<0.050	0.13	1	<0.50	---	<0.20	5	1000	0.023	<1.0	3.2	<0.040	<1.0	32	0.29
Plot 4	31-May-16	15867160531105	56	<0.10	<0.050	71	<0.40	---	16	<0.020	<1.0	<0.50	2.8	52	0.68	<0.80	490	<0.050	<0.10	<1.0	<0.50	---	<0.20	3.9	750	<0.020	<1.0	<1.0	<0.040	<1.0	21	<0.20
Plot 4	31-May-17	15867170531108	80	<0.12	0.25	88	<0.40	---	18	<0.020	<1.0	<0.50	3.4	94	0.72	<0.80	660	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.4	920	<0.026	<1.0	2.1	<0.040	<1.0	29	0.62
Plot 4	29-May-18	15867180529103	150	<0.26	<0.10	95	<0.40	---	23	<0.040	<1.0	<0.50	4.8	170	0.56	<1.6	780	<0.050	0.051	<1.0	<0.50	---	<0.20	6	1200	<0.052	<1.0	2.5	<0.080	<1.0	29	<1.0
Plot 4	31-May-19	15867190531130	115	0.027	0.095	87.6	<0.010	0.064	23.6	0.0132	0.198	0.067	3.64	130	0.656	<0.50	844	0.0213	0.046	0.61	<0.050	---	0.0061	4.96	1100	0.0055	0.14	2.82	0.005	0.2	28.9	<0.20
Plot 4	03-Jun-20	15867200603108	79	0.022	0.053	91.4	<0.010	0.019	22	0.0119	0.131	0.049	3.66	92.7	0.696	<0.50	706	0.0453	0.048	0.58	<0.050	---	<0.0050	4.76	1270	0.0203	<0.10	1.99	0.0027	0.12	30.8	<0.20
Plot 4	08-Jun-21	15867210608110	82.4	0.017	0.072	103	<0.010	0.022	25.9	0.0097	0.182	0.05	3.98	102	0.432	<0.50	1850	0.0296	0.044	0.59	<0.050	---	0.0051	5.97	1160	0.0482	<0.10	1.94	0.0029	0.13	32.6	<0.20
Plot 4	08-Jun-22	15867220608111	108	0.017	0.079	107	<0.010	0.019	23.6	0.0113	0.201	0.072	3.96	133	0.385	<0.50	797	0.0406	0.055	0.73	<0.050	---	0.0052	6.12	1120	0.0031	0.41	2.55	0.0054	0.18	34.0	<0.20
Plot 4	19-Jun-23	15867230619103	121	0.043	0.079	111	<0.010	0.01	26.8	0.0171	0.184	0.069	3.67	136	0.317	<0.50	944	0.0243	0.046	0.59	<0.050	---	<0.0050	6.05	1270	0.0426	<0.10	2.62	0.0045	0.2	41.0	<0.20
Plot 4	29-May-24	15867240529126	96	0.019	0.068	123	<0.010	---	23.5	0.009	0.143	0.06	3.2	108	0.238	<0.50	883	0.0194	0.032	0.58	<0.050	---	<0.0050	5.74	1260	0.0021	<0.10	2.19	0.0037	0.16	28.6	<0.20
Plot 11	15-May-08	15867080515102	219	<0.1	0.083	76.2	<0.5	---	19	<0.02	<1.0	<1.0	5	129	<3.0	<0.4	542	0.04	0.03	<2.0	<1	124	<0.3	5.4	975	<0.02	1.5	7	<0.04	<0.6	33.2	<0.1
Plot 11	12-Jun-09	15867090612114	127	<0.1	<0.050	66.5	<0.5	---	18	<0.02	<1.0	<1.0	4.1	82	<3.0	<0.4	1130	0.02	0.05	<2.0	<1	1330	<0.3	4.3	1590	<0.02	<1.0	6	<0.04	<0.6	14.8	<0.1
Plot 11	26-May-10	15867100526129	214	<0.1	<0.050	87.8	<0.5	---	18	<0.02	<1.0	<1.0	4.6	124	<3.0	<0.4	650	<0.02	<0.02	<2.0	<1	1590	<0.3	7.1	1770	<0.02	<1.0	8	<0.04	<0.6	24.8	<0.1
Plot 11	31-May-11	15867110531141	209	<0.1	<0.050	79.8	<0.5	---	22	<0.02	<1.0	<1.0	4.4	145	<3.0	<0.4	937	<0.02	0.03	<2.0	<1	887	<0.3	6.1	1260	0.02	<1.0	10	<0.04	<0.6	23.9	0.6
Plot 11	01-Jun-12	15867120601153	269	<0.1	<0.050	79	<0.5	---	8	<0.02	<1.0	<1.0	1.9	133	<3.0	<0.4	909	0.03	<0.02	<2.0	<1	1700	<0.3	6	1040	<0.02	<1.0	11	<0.04	<0.6	25.6	<0.1
Plot 11	05-Jun-13	15867130605165	203	2.2	<0.050	64.6	<0.5	---	35	<0.02	<1.0	<1.0	6.3	120	<3.0	<0.4	1270	<0.02	<0.02	<2.0	<1	1150	<0.3	5.3	1190	<0.02	<1.0	8	<0.04	<0.6	34.2	3.7
Plot 11	31-May-14	15867140531178	167	<0.1	<0.050	78.8	<0.5	---	4	<0.02	<1.0	<1.0	3.2	115	0.6	<0.4	1170	0.39	0.02	<2.0	<1	307	<0.3	5.4	1060	<0.02	2.3	8	<0.04	<0.6	27.3	<0.1
Plot 11	03-Jun-15	15867150603103	76	0.27	<0.050	76	<0.40	---	16	<0.020	<1.0	<0.50	24	87	<0.50	<0.80	990	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.5	970	<0.020	<1.0	1.5	<0.040	<1.0	30	0.26
Plot 11	31-May-16	15867160531104	47	<0.10	<0.050	51	<0.40	---	16	<0.020	<1.0	<0.50	2.5	46	<0.50	<0.80	610	<0.050	<0.10	<1.0	<0.50	---	<0.20	3.3	770	<0.020	<1.0	<1.0	<0.040	<1.0	16	0.24
Plot 11	01-Jun-17	15867170601110	53	<0.15	<0.064	53	<0.51	---	13	<0.026	<1.3	<0.64	2.3	44	<0.64	<0.51	440	<0.064	<0.13	<1.3	<0.64	---	<0.26	3.8	730	<0.034	<1.3	<1.3	<0.052	<1.3	17	0.5
Plot 11	31-May-18	15867180531112	110	<0.26	<0.10	89	<0.40	---	20	<0.040	<1.0	<0.50	3.4	88	<0.50	<1.6	1400	0.068^	<0.050	<1.0	<0.50	---	<0.20	6.3	1200	<0.052	<1.0	1.6	<0.080	<1.0	26	<1.0
Plot 11	01-Jun-19	15867190601132	75.1	<0.010	0.029	99.6	<0.010	<0.010	20.5	<0.0050	0.301	0.035	3.63	78.9	0.136	<0.50	1350	0.0138	0.021	0.47	<0.050	---	<0.0050	5.74	1130	0.0064	0.16	1.37	0.0028	0.11	26.8	<0.20
Plot 11	02-Jun-20	15867200602104	65.3	<0.010	0.026	87.1	<0.010	<0.010	19.6	<0.0050	0.174	0.031	3.54	66.5	0.139	<0.50	992	0.0206	0.034	0.36	<0.050	---	<0.0050	4.92	1280	0.0066	<0.10	1.17	<0.0020	<0.10	28.4	<0.20
Plot 11	07-Jun-21	15867210607103	66.5	<0.010	0.024	109	<0.010	<0.010	24.3	<0.0050	0.152	0.026	3.86	69.6	0.071	<0.50	1730	0.016	<0.020	0.41	<0.050	---	<0.0050	6.37	1200	0.0151	<0.10	1.15	<0.0020	<0.10	30.1	<0.40
Plot 11	08-Jun-22	15867220608112	82.6	<0.010	0.038	92.2	<0.010	<0.010	22.9	<0.0050	0.122	0.037	3.94	95.2	0.12	<0.50	1080	0.021	<0.020	0.41	<0.050	---	<0.0050	5.27	1200	0.0058	0.17	1.54	0.0033	0.12	26.3	<0.20
Plot 11	29-Jun-23	15867230629112	99.7	<0.010	0.033	105	<0.010	<0.010	27.2	0.014	0.099	0.045	3.53	93.1	0.09	<0.50	1110	0.0218	0.02	0.49	<0.050	---	<0.0050	6.89	1100	0.0092	<0.10	1.34	0.0037	0.12	32.9	<0.20
Plot 11	28-May-24	15867240528117	54	<0.010	0.02	90	<0.010	---	23	0.0068	0.202	0.024	2.95	68.7	0.086	<0.50	840	0.0148	<0.020	0.33	<0.050	---	0.0052	6.79	1240	0.0133	<0.10	1.08	<0.0020	<0.10	22.7	<0.20
Plot 28	05-Jun-13	15867130605166	267	2.1	<0.050	97.2	<0.5	---	29	0.02	<1.0	<1.0	6.2	141	<3.0	<0.4	1340	<0.02	<0.02	<2.0	<1	1410	<0.3	4.5	991	0.13	<1.0	11	<0.04	<0.6	29.2	3.7
Plot 28	03-Jun-15	15867150603102	72	<0.10	<0.050	68	<0.40	---	14	<0.020	<1.0	<0.50	6.6	79	<0.50	<0.80	870	<0.050	<0.10	<1.0	<0.50	---	<0.20	4	990	0.039	<1.0	1.4	<0.040	<1.0	20	0.24
Plot 40	15-May-08	15867080515111	343	<0.1	0.128	103	<0.5	---	19	0.18	<1.0	<1.0	6.4	204	<3.0	<0.4	538	0.07	0.1	<2.0	<1	94.9	<0.3	7.2	973	0.05	1.6	15	<0.04	<0.6	31.2	<0.1
Plot 40	12-Jun-09	15867090612125	215	<0.1	<0.050	78	<0.5	---	20	0.02	<1.0	<1.0	3.8	124	<3.0	<0.4	538	0.08	0.06	<2.0	<1	1440	<0.3	4.9	1630	<0.02	<1.0	10	<0.04	<0.6	13.9	<0.1
Plot 40	25-May-10	15867100525138	261	<0.1	<0.050	111	<0.5	---	23	0.03	<1.0	<1.0	5.1	170	<3.0	<0.4	1160	0.03	<0.02	<2.0	<1	1630	<0.3	6.4	1790	<0.02	<1.0	11	<0.04	<0.6	36.2	<0.1
Plot 40	31-May-11	15867110531150	314	<0.1	<0.050	116	<0.5	---	22	<0.02	<1.0	<1.0	4.9	186	<3.0	<0.4	1160	<0.02	0.05	<2.0	<1	1520	<0.3	6.1	1340	<0.02	<1.0	13	<0.04	<0.6	32.1	0.7
Plot 40	01-Jun-12	15867120601162	324	<0.1	<0.050	102	<0.5	---	9	0.05	<1.0	<1.0	2.9	175	<3.0	<0.4	835	0.04	<0.02	<2.0	<1	1140	<0.3	6.1	1300	<0.02	<1.0	16	0.05	<0.6	29.6	<0.1
Plot 40	05-Jun-13	15867130605175	277	2.1	<0.050	96.5	<0.5	---	27	0.06	<1.0	<1.0	5.6	160	<3.0	<0.4	780	<0.02	<0.02	<2.0	<1	1030	<0.3	7.2	1080	<0.02	<1.0	13	<0.04	<0.6	32.4	3.3
Plot 40	29-May-14	15867140529187	305	<0.1	<0.050	106	<0.5	---	<2	<0.02	1.2	<1.0	5.4	189	2	<0.4	1000	0.36	0.14	<2.0	<1	253	<0.3	6.4	1210	<0.02	<1.0	14	<0.04	<0.6	39.1	<0.1
Plot 41	15-May-08	15867080515112	291	<0.1	0.074	70.3	<0.5	---	20	0.03	<1.0	<1.0	4.9	172	<3.0	<0.4	594	0.04	0.06	<2.0	<1	124	<0.3	6.4	1110	<0.02	1.4	10	<0.04	<0.6	37.7	<0.1
Plot 41	12-Jun-09	15867090612126	120	<0.1	<0.050	53.5	<0.5	---	18	<0.02	<1.0	<1.0	3.5	77	<3.0	<0.4	653	0.02	0.03	<2.0	<1	1200	<0.3	4.7	1570	<0.02	<1.0	6	<0.04	<0.6	12.4	<0.1
Plot 41	26-May-10	15867100526139	179	<0.1	<0.050	70.7	<0.5	---	22	<0.02	<1.0	<1.0	4.4	105	<3.0	<0.4	759	<0.02	<0.02	<2.0	<1	1110	<0.3	5.4	2030	<0.02	<1.0	7	<0.04	<0.6	25.1	<0.1
Plot 41	31-May-11	15867110531151	197	<0.1	<0.050	95.3	<0.5	---	21	<0.02	<1.0	<1.0	4.1	128	<3.0	<0.4	1250	<0.02	0.04	<2.0	<1	1070	<0.3	5.8	1300	<0.02	<1.0	9	<0.04	<0.6	25.3	0.6
Plot 41	01-Jun-12	15867120601163	276	<0.1	<0.050	82.7	<0.5	---	14	<0.02	<1.0	<1.0	2	139	<3.0	<0.4	805	0.03	<0.02	<2.0	<1	1000	<0.3	6.5	1360	<0.02	<1.0	11	<0.04	<0.6	25.7	<0.1
Plot 41	05-Jun-13	15867130605176	212	2.1	<0.050	80.7	<0.5	---	27	<0.02	<1.0	<1.0	4.3	117	<3.0	<0.4	1120	0.02	<0.02	<2.0	<1	987	<0.3	4.8	1110	<0.02	<1.0	9	<0.04	<0.6	27.9	4.1
Plot 41	31-May-14	15867140531188	165	<0.1	<0.050	94	<0.5	---	<2	<0.02	<1.0	<1.0	3.7	108	<0.5	<0.4	1690	0.24	0.05	<2.0	<1	149	<0.3	6.2	1190	0.03	<1.0	10	<0.04	<0.6	31.6	<0.1
Plot 70	15-May-08	15867080515103	896	<0.1	0.161	87.4	<0.5	---	18	<0.02	2.3	<1.0	4.7	397	<3.0	<0.4	822	0.04	0.06	4.7	<1	136	<0.3	6.2	1020	0.02	1.3	32	<0.04	1.2	30.1	0.3
Plot 70a	12-Jun-09	15867090612115	339	<0.1	<0.050	55.6	<0.5	---	14	<0.02	<1.0	<1.0	3.8	193	<3.0	<0.4	743	<0.02	0.03	<2.0	<1	2180	<0.3	4.6	1450	<0.02	<1.0	17	<0.04	<0.6	15.6	<0.1
Plot 70b	12-Jun-09	15867090612123	259	<0.1	<0.050	89.1	<0.5	---	14	<0.02	<1.0	<1.0	4.6	147	<3.0	<0.4	1090	<0.02	0.05	<2.0	<1	1680	<0.3	4.8	1470	0.06	<1.0	11	<0.04	<0.6	14.5	<0.1
Plot 70c	12-Jun-09	15867090612124	219	<0.1	<0.050	82.4	<0.5	---	16	<0.02	<1.0	<1.0	3.4	110	<3.0	<0.4	909	<0.02	0.04	<2.0	<1	1800	<0.3	4.8	1390	<0.02	<1.0	10	<0.04	<0.6	14.7	<0.1
Plot 70	25-May-10	15867100525130	224	<0.1	<0.050	70.9	<0.5	---	19	<0.02	<1.0	<1.0	3.8	117	<3.0	<0.4	1110	<0.02	<0.02	<2.0	<1	1600	<0.3	4	1970	<0.02	<1.0	8	<0.04	<0.6	27.6	<0.1
Plot 70	31-May-11	15867110531142	281	<0.1	<0.050	87.1	<0.5	---	18	<0.02	<1.0	<1.0	3.9	147	<3.0	<0.4	1260	<0.02	0.03	<2.0	<1	730	<0.3	4.5	1300	<0.02	<1.0	11	<0.04	<0.6	26	0.5
Plot 70	01-Jun-12	15867120601154	334	<0.1	<0.050	87	<0.5	---	10	<0.02	<1.0	<1.0	1.5	157	<3.0	<0.4	1300	<0.02	<0.02	<2.0	<1	1040	<0.3	4	1310	<0.02	<1.0	13	<0.04	<0.6	28.5	<0.1
Plot 70	05-Jun-13	15867130605167	763	2.1	<0.050	101	<0.5	---	29	<0.02	<1.0	<1.0	6.7	273	<3.0	0.6	714	0.02	<0.02	<2.0	<1	2300	<0.3	6.2	1190	<0.02	<1.0	30	0.04	<0.6	25.4	4
Plot 70	31-May-14	15867140531179	258	<0.1	0.075	98.6	<0.5	---	<2	<0.02	1	<1.0	3.8	141	<0.5	<0.4	1240	0.18	<0.02	<2.0	<1	515	<0.3	4.6	1140	<0.02	<1.0	9	<0.04	<0.6	30.3	<0.1
Plot 70	04-Jun-15	15867150604115	240	0.13	<0.050	79	<0.40	---	25	<0.020	3.7	<0.50	11	230	<0.50	<0.80	1200	<0.050	<0.10	3.3	<0.50	---	<0.20	<10	1000	0.095	<1.0	2.4	<0.040	<1.0	31	0.5
Plot 70	02-Jun-16	15867160602112	51	<0.10	<0.050	68	<0.40	---	13	<0.020	<1.0	<0.50	2.8	39	<0.50	<0.80	770	<0.050	<0.10	<1.0	<0.50	---	<0.20	2.4	730	<0.020	<1.0	<1.0	<0.040	<1.0	20	0.42
Plot 70	01-Jun-17	15867170601112	61	<0.12	<0.050	61	<0.40	---	14	<0.020	<1.0	<0.50	3.4	50	<0.50	<0.80	880	<0.050	<0.10	<1.0	<0.50	---	<0.20	3.1	850	<0.026	<1.0	<1.0	<0.040	<1.0	20	0.44
Plot 70	31-May-18	15867180531111	150	<0.26	<0.10	87	<0.40	---	17	<0.040	<1.0	<0.50	3.1	120	<0.50	<1.6	1400	0.13	<0.050	<1.0	<0.50	---	<0.20	4.3	1100	<0.052	<1.0	1.5	<0.080	<1.0	25	<1.0
Plot 70	01-Jun-19	15867190601141	91.8	<0.010	0.026	83.1	<0.010	<0.010	18.8	<0.0050	0.093	0.047	3.16	90.5	0.053	<0.50	969	0.0108	<0.020	0.52	<0.050	---	<0.0050	4.44	1160	0.0069	<0.10	1.37	0.0029	0.12	24.6	<0.20
Plot 70	02-Jun-20	15867200602105	77.1	<0.010	<0.020	78.9	<0.010	<0.010	16.0	<0.0050	0.105	0.032	3.16	64	0.044	<0.50	1170	0.0168	0.022	0.38	<0.050	---	<0.0050	3.38	1190	0.0104	<0.10	0.99	<0.0020	<0.10	23.9	<0.20
Plot 70	08-Jun-21	15867210608104	98	<0.010	0.025	89.5	<0.010	<0.010	21.1	<0.0050	0.126	0.041	3.78	89.4	0.056	<0.50	1650	0.0107	<0.020	0.51	<0.050	---	<0.0050	4.03	1070	0.0113	<0.10	1.35	0.003	0.12	27	<0.60
Plot 70	07-Jun-22	15867220607105	90.2	<0.010	0.03	86.7	<0.010	<0.010	15.0	0.0053	0.123	0.042	4.03	92.5	0.065	<0.50	1100	0.0122	0.021	0.51	<0.050	---	<0.0050	3.75	1110	0.0163	0.37	1.47	0.0032	0.11	25.5	<0.20
Plot 70	19-Jun-23	15867230619101	89.5	0.012	0.022	97.7	<0.010	<0.010	18.9	0.0083	0.107	0.033	3.21	76.6	0.062	<0.50	1320	0.0157	<0.020	0.4	<0.050	---	<0.0050	4.05	1150	0.0162	<0.10	1.04	0.0024	<0.10	30.3	<0.20
Plot 70	30-May-24	15867240530137	100	<0.010	0.022	95.1	<0.010	---	22.1	0.0086	0.152	0.043	3.06	70.6	0.052	<0.50	1310	0.0108	0.021	0.42	<0.050	---	<0.0050	4.5	1090	0.0172	<0.10	1.24	0.0026	0.1	22.1	<0.20

TABLE G3

Historical Labrador Tea Leaves Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Si mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 71	15-May-08	15867080515104	184	<0.1	0.062	94.1	<0.5	---	20	<0.02	<1.0	<1.0	4.2	146	<3.0	<0.4	1190	0.03	0.06	<2.0	<1	96.7	<0.3	5.7	1020	<0.02	1.3	6	<0.04	<0.6	35.4	0.1
Plot 71	12-Jun-09	15867090612116	90.2	<0.1	<0.050	77	<0.5	---	17	<0.02	<1.0	<1.0	3.3	66	<3.0	<0.4	831	0.02	0.03	<2.0	<1	1010	<0.3	5.8	1130	<0.02	<1.0	5	<0.04	<0.6	15	<0.1
Plot 71	25-May-10	15867100525131	127	<0.1	<0.050	111	<0.5	---	25	<0.02	<1.0	<1.0	5.5	84	<3.0	<0.4	782	<0.02	<0.02	<2.0	<1	1940	<0.3	11.7	1660	<0.02	<1.0	5	<0.04	<0.6	32.5	<0.1
Plot 71	31-May-11	15867110531143	254	<0.1	<0.050	116	<0.5	---	26	<0.02	<1.0	<1.0	4.3	149	<3.0	<0.4	1300	<0.02	0.1	<2.0	<1	966	<0.3	7.1	1080	0.04	<1.0	11	<0.04	<0.6	29.3	2.4
Plot 71	01-Jun-12	15867120601155	161	<0.1	<0.050	127	<0.5	---	12	<0.02	<1.0	<1.0	1.6	82	<3.0	<0.4	1210	0.02	<0.02	<2.0	<1	1020	<0.3	7.4	1120	<0.02	<1.0	7	<0.04	<0.6	25.7	<0.1
Plot 71	05-Jun-13	15867130605168	473	2.2	<0.050	92.2	<0.5	---	37	0.04	<1.0	<1.0	4.2	172	<3.0	<0.4	1350	0.03	<0.02	<2.0	<1	1790	<0.3	7.7	892	0.02	<1.0	21	<0.04	<0.6	30.5	47.2
Plot 71	31-May-14	15867140531180	145	<0.1	<0.050	80.7	<0.5	---	2	<0.02	<1.0	<1.0	3.3	102	<0.5	<0.4	1020	0.2	<0.02	<2.0	<1	346	<0.3	6.5	880	<0.02	<1.0	6	<0.04	<0.6	22.7	<0.1
Plot 71	04-Jun-15	15867150604114	89	<0.10	<0.050	120	<0.40	---	21	<0.020	<1.0	<0.50	4.4	88	<0.50	<0.80	1500	<0.050	<0.10	<1.0	<0.50	---	<0.20	7	840	0.023	<1.0	1.2	<0.040	<1.0	28	0.2
Plot 71	02-Jun-16	15867160602111	67	<0.10	<0.050	86	<0.40	---	16	<0.020	<1.0	<0.50	2.9	49	<0.50	<0.80	870	0.06	<0.10	<1.0	<0.50	---	<0.20	5.1	610	<0.020	<1.0	<1.0	<0.040	<1.0	19	3.1
Plot 71	01-Jun-17	15867170601111	34	<0.12	<0.050	67	<0.40	---	14	<0.020	<1.0	<0.50	1.8	51	<0.50	<0.80	710	<0.050	<0.10	<1.0	<0.50	---	<0.20	5.1	620	<0.026	<1.0	<1.0	<0.040	<1.0	15	0.34
Plot 71	31-May-18	15867180531110	95	<0.26	<0.10	82	<0.40	---	21	<0.040	<1.0	<0.50	2.9	75	<0.50	<1.6	980	0.082^	<0.050	<1.0	<0.50	---	<0.20	6.7	930	<0.052	<1.0	1.4	<0.080	<1.0	19	<1.0
Plot 71	01-Jun-19	15867190601139	62	<0.010	0.025	86.4	<0.010	<0.010	21.2	<0.0050	0.302	0.043	2.75	72.5	0.042	<0.50	957	0.0196	<0.020	0.44	<0.050	---	<0.0050	6.35	910	0.0061	<0.10	1.25	0.0032	0.1	19.6	<0.20
Plot 71	03-Jun-20	15867200604112	48.8	<0.010	0.022	89.2	<0.010	<0.010	19.1	<0.0050	0.1	0.036	2.75	77.5	0.056	<0.50	740	0.0216	0.032	0.33	<0.050	---	<0.0050	8.1	980	0.0046	<0.10	1.18	0.0032	<0.10	21.1	<0.20
Plot 71	09-Jun-21	15867210609111	54	<0.010	0.023	110	<0.010	<0.010	23.8	<0.0050	0.096	0.042	3.35	71.9	0.056	<0.50	1420	0.0185	0.023	0.39	<0.050	---	<0.0050	8.01	1010	0.0131	<0.10	1.27	0.003	<0.10	23.3	<0.20
Plot 71	06-Jun-22	15867220606104	66.6	<0.010	0.034	119	<0.010	<0.010	25.5	<0.0050	0.103	0.064	3.17	84.9	0.054	<0.50	1390	0.0172	<0.020	0.60	<0.050	---	<0.0050	8.45	900	0.0303	<0.10	1.14	0.0031	0.1	25.6	<0.20
Plot 71	19-Jun-23	15867230619104	66	<0.010	0.029	119	<0.010	<0.010	25.3	0.0123	0.091	0.043	2.38	72.2	0.057	<0.50	1350	0.0227	0.021	0.43	<0.050	---	<0.0050	8.45	860	0.0512	<0.10	1.55	0.0027	<0.10	25.3	<0.20
Plot 71	30-May-24	15867240530136	55.8	<0.010	0.022	101	<0.010	---	27.5	0.0062	0.051	0.037	3	59	0.039	<0.50	1180	0.0156	<0.020	0.40	<0.050	---	<0.0050	6.41	940	0.0147	<0.10	0.91	0.0021	<0.10	22.1	<0.20
Plot 109	15-May-08	15867080515105	186	<0.1	0.107	87.9	<0.5	---	19	0.14	<1.0	<1.0	4.7	117	<3.0	<0.4	575	<0.02	0.07	<2.0	<1	98.2	<0.3	5.3	979	0.02	1.4	7	<0.04	<0.6	31.1	<0.1
Plot 109	12-Jun-09	15867090612117	76.2	<0.1	<0.050	79.8	<0.5	---	14	<0.02	<1.0	<1.0	3.3	53	<3.0	<0.4	439	0.02	0.05	<2.0	<1	794	<0.3	4.9	1300	<0.02	<1.0	3	<0.04	<0.6	15.9	<0.1
Plot 109	26-May-10	15867100526132	199	<0.1	<0.050	121	<0.5	---	18	0.03	<1.0	<1.0	5.2	198	<3.0	<0.4	769	<0.02	<0.02	<2.0	<1	1480	<0.3	8.3	1770	<0.02	<1.0	8	<0.04	<0.6	29.4	<0.1
Plot 109	31-May-11	15867110531144	202	<0.1	<0.050	85.2	<0.5	---	18	<0.02	<1.0	<1.0	4.6	126	<3.0	<0.4	515	0.19	0.09	<2.0	<1	1480	<0.3	7.1	1150	0.06	<1.0	8	<0.04	<0.6	22.4	1
Plot 109	01-Jun-12	15867120601156	169	<0.1	<0.050	90.6	<0.5	---	9	<0.02	<1.0	<1.0	1.4	88	<3.0	<0.4	725	<0.02	<0.02	<2.0	<1	750	<0.3	4.6	933	<0.02	<1.0	6	<0.04	<0.6	21.2	<0.1
Plot 109	05-Jun-13	15867130605169	228	2.3	<0.050	82.1	<0.5	---	29	0.11	<1.0	<1.0	6.5	153	4.2	<0.4	820	0.04	0.1	<2.0	<1	1100	<0.3	6.1	1050	<0.02	<1.0	20	<0.04	<0.6	43.1	4.4
Plot 109	30-May-14	15867140530181	125	<0.1	<0.050	92.4	<0.5	---	3	<0.02	<1.0	<1.0	3.5	79	0.8	<0.4	785	0.28	0.03	<2.0	<1	331	<0.3	4.9	1060	0.03	<1.0	6	<0.04	<0.6	25	<0.1
Plot 109	04-Jun-15	15867150604108	76	<0.10	<0.050	55	<0.40	---	15	<0.020	<1.0	<0.50	6.8	82	0.73	<0.80	520	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.6	930	<0.020	<1.0	2.2	<0.040	<1.0	21	<0.20
Plot 109	31-May-16	15867160531106	52	<0.10	<0.050	58	<0.40	---	14	<0.020	<1.0	<0.50	2.5	37	<0.50	<0.80	380	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.2	710	<0.020	<1.0	<1.0	<0.040	<1.0	17	0.81
Plot 109	31-May-17	15867170531105	50	<0.12	0.18	64	<0.40	---	11	<0.020	<1.0	<0.50	2.1	41	<0.50	<0.80	360	<0.050	<0.10	<1.0	<0.50	---	<0.20	3.6	690	<0.026	<1.0	<1.0	<0.040	<1.0	16	0.72
Plot 109	30-May-18	15867180530106	96	<0.26	<0.10	83	<0.40	---	21	<0.040	<1.0	<0.50	3.6	73	<0.50	<1.6	920	0.07^	0.056	<1.0	<0.50	---	<0.20	4.5	1100	<0.052	<1.0	1.1	<0.080	<1.0	24	<1.0
Plot 109	30-May-19	15867190530115	68.6	0.018	0.091	89.7	<0.010	0.051	20.2	0.0063	0.115	0.035	3.12	70	0.421	<0.50	762	0.0128	0.037	0.81	<0.050	---	<0.0050	5.42	1060	0.0339	<0.10	1.8	<0.0020	<0.10	22.2	<0.20
Plot 109	03-Jun-20	15867200603109	56.2	0.03	0.037	74.8	<0.010	0.014	17.3	0.0071	0.174	0.028	3.03	56.6	0.638	<0.50	584	0.0200	0.032	0.57	<0.050	---	<0.0050	5.17	1100	0.0057	<0.10	1.67	<0.0020	<0.10	21.8	<0.20
Plot 109	08-Jun-21	15867210608107	49.3	<0.010	0.031	93.0	<0.010	<0.010	18.8	<0.0050	0.100	0.022	3.29	49.5	0.124	<0.50	617	0.0146	0.037	0.76	<0.050	---	<0.0050	5.18	980	0.0140	<0.10	0.89	<0.0020	<0.10	22.9	<0.20
Plot 109	07-Jun-22	15867220607108	70.6	<0.010	0.043	97.8	<0.010	0.012	18.6	0.0065	0.141	0.031	3.43	84.2	0.228	<0.50	673	0.0194	0.056	0.75	<0.050	---	<0.0050	5.56	1040	0.0069	0.11	1.33	0.0028	<0.10	24.7	<0.20
Plot 109	20-Jun-23	15867230620107	72	<0.010	<0.020	102	<0.010	<0.010	17.7	0.0089	0.074	0.03	2.7	57.7	0.089	<0.50	587	0.0165	0.035	0.98	<0.050	---	<0.0050	5.29	970	0.0575	<0.10	0.75	<0.0020	<0.10	22.5	<0.20
Plot 109	29-May-24	15867240529128	63	<0.010	0.023	90.1	<0.010	---	20.7	0.0061	0.077	0.024	2.61	56.8	0.095	<0.50	684	0.0121	0.025	0.64	<0.050	---	<0.0050	5.57	1020	0.028	<0.10	1.62	<0.0020	<0.10	20.8	<0.20
Plot 110	15-May-08	15867080515106	176	<0.1	0.061	94.4	<0.5	---	20	<0.02	<1.0	<1.0	4.4	122	<3.0	<0.4	637	0.04	0.05	<2.0	<1	125	<0.3	7.7	1060	<0.02	1.4	6	<0.04	<0.6	32.4	<0.1
Plot 110	12-Jun-09	15867090612118	116	<0.1	<0.050	58.6	<0.5	---	18	<0.02	<1.0	<1.0	3.7	73	<3.0	<0.4	509	<0.02	<0.02	<2.0	<1	933	<0.3	5.7	1290	<0.02	<1.0	5	<0.04	<0.6	13.9	<0.1
Plot 110	26-May-10	15867100526133	149	<0.1	<0.050	78.3	<0.5	---	24	<0.02	<1.0	<1.0	4.5	94	<3.0	<0.4	884	0.02	<0.02	<2.0	<1	1440	<0.3	5	2000	<0.02	<1.0	5	<0.04	<0.6	24.9	<0.1
Plot 110	31-May-11	15867110531145	232	<0.1	<0.050	69.9	<0.5	---	22	<0.02	<1.0	<1.0	4.7	144	<3.0	<0.4	904	<0.02	0.05	<2.0	<1	991	<0.3	6.9	1290	<0.02	<1.0	10	<0.04	<0.6	24.5	0.8
Plot 110	01-Jun-12	15867120601157	150	<0.1	<0.050	95.1	<0.5	---	10	<0.02	<1.0	<1.0	1.4	82	<3.0	<0.4	836	0.02	<0.02	<2.0	<1	967	<0.3	8.4	1060	<0.02	<1.0	6	<0.04	<0.6	22.9	<0.1
Plot 110	04-Jun-13	15867130604170	187	2.2	<0.050	106	<0.5	---	30	<0.02	<1.0	<1.0	5.4	111	<3.0	<0.4	854	0.04	<0.02	<2.0	<1	1090	<0.3	8.2	1260	<0.02	<1.0	8	<0.04	<0.6	36.7	3.7
Plot 110	30-May-14	15867140530182	121	<0.1	0.063	100	<0.5	---	3	<0.02	<1.0	<1.0	3.7	79	2.7	<0.4	926	0.18	0.04	<2.0	<1	233	<0.3	10.7	1190	<0.02	<1.0	8	<0.04	<0.6	37.4	<0.1
Plot 110	04-Jun-15	15867150604110	93	0.18	<0.050	94	<0.40	---	19	<0.020	<1.0	<0.50	12	100	<0.50	<0.80	920	<0.050	<0.10	<1.0	<0.50	---	<0.20	6.6	1100	<0.020	<1.0	1.7	<0.040	<1.0	29	1.3
Plot 110	31-May-16	15867160531108	52	<0.10	<0.050	44	<0.40	---	11	<0.020	<1.0	<0.50	2.2	40	<0.50	<0.80	410	<0.050	<0.10	<1.0	<0.50	---	<0.20	2.9	680	<0.020	<1.0	<1.0	<0.040	<1.0	13	<0.20
Plot 110	31-May-17	15867170531107	33	<0.12	0.058	52	<0.40	---	10	<0.020	<1.0	<0.50	1.8	33	<0.50	<0.80	440	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.3	570	<0.026	<1.0	<1.0	<0.040	<1.0	14	0.33
Plot 110	30-May-18	15867180530107	110	<0.26	<0.10	77	<0.40	---	19	<0.040	<1.0	<0.50	3.2	74	<0.50	<1.6	1000	0.11^	<0.050	<1.0	<0.50	---	<0.20	5.5	1100	<0.052	<1.0	1.2	<0.080	<1.0	22	<1.0
Plot 110	30-May-19	15867190530118	67.9	<0.010	0.023	79.8	<0.010	<0.010	22.5	<0.0050	0.347	0.04	3.39	71.9	0.072	<0.50	725	0.0123	<0.020	0.51	<0.050	---	<0.0050	6.34	1170	<0.0020	<0.10	1.59	0.0024	<0.10	20.9	<0.20
Plot 110	03-Jun-20	15867200603111	46.2	<0.010	<0.020	96.4	<0.010	<0.010	20.5	<0.0050	0.078	0.037	3.11	60.6	0.075	<0.50	907	0.0197	0.027	0.29	<0.050	---	<0.0050	8.31	1180	0.0071	<0.10	1.01	<0.0020	<0.10	23.5	<0.20
Plot 110	08-Jun-21	15867210608109	55.6	<0.010	<0.020	96.7	<0.010	<0.010	22.3	<0.0050	0.070	0.034	3.20	63.3	0.052	<0.50	791	0.0093	0.026	0.41	<0.050	---	<0.0050	8.18	1240	0.0046	<0.10	0.97	0.0032	<0.10	23	<0.20
Plot 110	07-Jun-22	15867220607110	68.6	<0.010	0.042	109	<0.010	<0.010	23.5	<0.0050	0.146	0.047	3.67	91.4	0.093	<0.50	1030	0.0216	0.042	0.43	<0.050	---	<0.0050	8.35	1200	0.0025	<0.10	1.54	0.0031	0.1	26.9	<0.20
Plot 110	20-Jun-23	15867230620109	81.6	<0.010	0.024	102	<0.010	<0.010	23.9	0.0085	0.097	0.05	3.24	83.2	0.066	<0.50	970	0.0188	<0.020	0.65	<0.050	---	<0.0050	8.28	1150	0.0045	<0.10	1.58	0.002	<0.10	28.8	<0.20
Plot 110	29-May-24	15867240529124	60.8	<0.010	0.026	102	<0.010	---	22.8	0.0067	0.069	0.032	3	73.4	0.06	<0.50	806	0.0137	0.029	0.35	<0.050	---	<0.0050	9.41	1290	0.0024	<0.10	1.64	0.0023	<0.10	23.4	<0.20
Plot 114	15-May-08	15867080515108	256	<0.1	0.093	95	<0.5	---	16	0.08	<1.0	<1.0	5.4	167	<3.0	<0.4	1000	0.04	0.09	<2.0	<1	131	<0.3	8.8	1070	<0.02	1.5	12	<0.04	<0.6	30.6	<0.1
Plot 114	12-Jun-09	15867090612119	127	<0.1	<0.050	81.3	<0.5	---	14	<0.02	<1.0	<1.0	4.1	89	<3.0	<0.4	643	0.07	0.05	<2.0	<1	1120	<0.3	5	1390	<0.02	<1.0	8	<0.04	<0.6	16.6	<0.1
Plot 114	26-May-10	15867100526134	233	<0.1	<0.050	131	<0.5	---	20	0.02	<1.0	<1.0	4.4	142	<3.0	<0.4	1070	<0.02	<0.02	<2.0	<1	1700	<0.3	8.7	1980	<0.02	<1.0	10	<0.04	<0.6	31.2	<0.1
Plot 114	31-May-11	15867110531146	187	<0.1	<0.050	96.1	<0.5	---	16	<0.02	<1.0	<1.0	4.1	113	<3.0	<0.4	610	<0.02	0.04	<2.0	<1	959	<0.3	5.8	1040	<0.02	<1.0	8	<0.04	<0.6	20.3	0.6
Plot 114	01-Jun-12	15867120601158	199	<0.1	<0.050	103	<0.5	---	8	0.02	<1.0	<1.0	2.4	102	<3.0	<0.4	786	0.04	<0.02	<2.0	<1	836	<0.3	6.4	974	<0.02	<1.0	8	<0.04	<0.6	22.9	<0.1
Plot 114	04-Jun-13	15867130604171	187	2.3	<0.050	90.4	<0.5	---	31	0.05	<1.0	<1.0	5.7	118	<3.0	<0.4	743	0.04	0.06	<2.0	<1	653	<0.3	7.6	1240	<0.02	<1.0	8	<0.04	<0.6	27.4	7.4
Plot 114	31-May-14	15867140531183	126	<0.1	0.074	102	<0.5	---	<2	<0.02	<1.0	<1.0	4.1	86	1.2	<0.4	710	0.14	0.03	<2.0	<1	348	<0.3	7.5	1020	<0.02	<1.0	7	<0.04	<0.6	31.2	<0.1
Plot 114	04-Jun-15	15867150604107	120	<0.10	<0.050	85	<0.40	---	16	0.037	<1.0	<0.50	4.9	100	<0.50	<0.80	620	<0.050	<0.10	1.1	<0.50	---	<0.20	6.8	1000	0.047	<1.0	2	<0.040	<1.0	25	<0.20
Plot 114	01-Jun-16	15867160601110	67	<0.10	<0.050	66	<0.40	---	19	<0.020	<1.0	<0.50	3.9	54	<0.50	<0.80	420	<0.050	<0.10	1.4	<0.50	---	<0.20	5	960	<0.020	<1.0	1	<0.040	<1.0	22	<0.20
Plot 114	31-May-17	15867170531104	61	<0.12	0.084	80	<0.40	---	13	<0.020	<1.0	<0.50	2.9	50	<0.50	<0.80	470	<0.050	<0.10	<1.0	<0.50	---	<0.20	5.1	860	<0.026	<1.0	1.1	<0.040	<1.0	20	0.92
Plot 114	30-May-18	15867180530104	130	<0.26	<0.10	98	<0.40	---	17	<0.040	<1.0	<0.50	4.6	110	<0.50	<1.6	740	<0.050	0.063	1.2	<0.50	---	<0.20	7.6	1100	<0.052	<1.0	1.7	<0.080	<1.0	25	<1.0
Plot 114	31-May-19	15867190531124	70	0.017	0.048	94.1	<0.010	0.015	16.6	0.0163	0.243	0.051	4.23	84.5	0.352	<0.50	586	0.0196	0.045	0.81	<0.050	---	<0.0050	8.98	1160	0.0062	<0.10	1.91	0.0028	0.1	27.4	<0.20
Plot 114	03-Jun-20	15867200603107	77.5	0.019	0.036	103	<0.010	0.014	14.2	0.0163	0.124	0.079	3.91	87.4	0.734	<0.50	646	0.0362	0.039	0.89	<0.050	---	<0.0050	9.19	1310	0.0048	<0.10	1.6	0.0031	0.11	30.2	<0.20
Plot 114	08-Jun-21	15867210608106	82.6	0.017	0.053	107	<0.010	0.015	21.5	0.0131	0.219	0.056	4.48	84.2	0.499	<0.50	1650	0.0348	0.048	0.98	<0.050	---	<0.0050	9.10	1120	0.0173	<0.10	1.65	0.0021	<0.10	29.2	0.28
Plot 114	07-Jun-22	15867220607107	53.9	0.011	0.049	107	<0.010	0.015	16.6	0.0173	0.103	0.048	4.14	83.2	0.292	<0.50	710	0.0215	0.054	0.59	<0.050	---	<0.0050	9.87	1160	<0.0020	0.14	1.50	0.0027	<0.10	29.1	<0.20
Plot 114	20-Jun-23	15867230620106	97.8	<0.010	0.041	82.7	<0.010	<0.010	22.9	0.0181	0.134	0.109	3.71	86.1	0.24	<0.50	551	0.0225	0.026	1.52	<0.050	---	<0.0050	6.5	1210	0.0086	<0.10	1.59	0.0025	0.11	26.8	<0.20
Plot 114	30-May-24	15867240530135	79.2	0.011	0.047	106	<0.010	---	19.4	0.018	0.094	0.098	4.18	71.1	0.193	<0.50	518	0.0203	0.027	1.51	<0.050	---	<0.0050	9	1170	0.0043	<0.10	1.17	0.0021	<0.10	26.2	<0.20

TABLE G3

Historical Labrador Tea Leaves Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	Bi mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Si mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Plot 117	15-May-08	15867080515107	155	<0.1	0.071	56.7	<0.5	---	15	0.02	<1.0	<1.0	4.6	97	<3.0	<0.4	578	0.03	0.06	<2.0	<1	83.5	<0.3	5.3	966	<0.02	1.5	6	<0.04	<0.6	28.8	<0.1
Plot 117	12-Jun-09	15867090612120	87	<0.1	<0.050	40.6	<0.5	---	12	<0.02	<1.0	<1.0	3.5	66	<3.0	<0.4	580	0.02	0.03	<2.0	<1	955	<0.3	5.1	1230	<0.02	<1.0	5	<0.04	<0.6	11.7	<0.1
Plot 117	26-May-10	15867100526135	221	<0.1	<0.050	76.5	<0.5	---	26	<0.02	<1.0	<1.0	5.5	130	<3.0	<0.4	1020	0.03	<0.02	<2.0	<1	1360	<0.3	8.3	1840	<0.02	<1.0	9	<0.04	<0.6	26.9	<0.1
Plot 117	31-May-11	15867110531147	151	<0.1	<0.050	56.2	<0.5	---	14	<0.02	<1.0	<1.0	18.6	90	<3.0	<0.4	717	<0.02	0.03	<2.0	<1	582	<0.3	6	1140	<0.02	<1.0	6	<0.04	<0.6	32.2	0.4
Plot 117	01-Jun-12	15867120601159	137	<0.1	<0.050	44.8	<0.5	---	8	<0.02	<1.0	<1.0	1.7	63	<3.0	<0.4	688	0.02	<0.02	<2.0	<1	780	<0.3	5.4	999	<0.02	<1.0	4	<0.04	<0.6	18.5	<0.1
Plot 117	04-Jun-13	15867130604172	162	2.1	<0.050	64.8	<0.5	---	24	<0.02	<1.0	<1.0	4.3	86	<3.0	<0.4	1050	0.02	<0.02	<2.0	<1	718	<0.3	6.2	1080	<0.02	<1.0	6	<0.04	<0.6	21.9	4.4
Plot 117	31-May-14	15867140531184	119	<0.1	0.052	77.9	<0.5	---	<2	<0.02	<1.0	<1.0	3.6	66	<0.5	<0.4	1090	0.2	0.02	<2.0	<1	170	<0.3	7.5	1100	<0.02	<1.0	4	<0.04	<0.6	30	<0.1
Plot 117	04-Jun-15	15867150604111	76	<0.10	<0.050	94	<0.40	---	13	<0.020	<1.0	<0.50	6.9	62	<0.50	<0.80	660	<0.050	<0.10	1	<0.50	---	<0.20	5	900	0.057	<1.0	1.3	<0.040	<1.0	19	0.21
Plot 117	01-Jun-16	15867160601109	50	0.18	<0.050	41	<0.40	---	13	<0.020	<1.0	<0.50	2.8	39	<0.50	<0.80	490	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.4	830	<0.020	<1.0	<1.0	<0.040	<1.0	16	<0.20
Plot 117	31-May-17	15867170531103	51	<0.12	<0.050	47	<0.40	---	11	<0.020	<1.0	<0.50	2.5	42	<0.50	<0.80	440	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.4	760	<0.026	<1.0	<1.0	<0.040	<1.0	15	1.1
Plot 117	30-May-18	15867180530105	120	<0.26	<0.10	70	<0.40	---	16	<0.040	<1.0	<0.50	3.6	110	<0.50	<1.6	680	0.26	0.078	<1.0	<0.50	---	<0.20	7	1200	<0.052	<1.0	1.3	<0.080	<1.0	22	2.5
Plot 117	31-May-19	15867190531123	79.7	<0.010	0.02	90.9	<0.010	<0.010	17	<0.0050	0.219	0.056	3.62	66	0.07	<0.50	733	0.0144	<0.020	0.76	<0.050	---	<0.0050	7.35	1090	0.0109	0.13	1.16	0.0022	<0.10	20	<0.20
Plot 117	03-Jun-20	15867200603106	58.9	<0.010	<0.020	56.4	<0.010	<0.010	13.9	<0.0050	0.062	0.049	3.15	56.5	0.092	<0.50	527	0.0226	<0.020	0.47	<0.050	---	<0.0050	5.53	1250	0.0063	<0.10	0.85	<0.0020	<0.10	18.9	<0.20
Plot 117	08-Jun-21	15867210608105	95.0	<0.010	0.034	79.7	<0.010	<0.010	17.8	<0.0050	0.111	0.060	3.31	88.4	0.104	<0.50	599	0.0085	0.028	0.77	<0.050	---	<0.0050	6.15	1140	0.0399	<0.10	2.36	0.0021	0.15	20.1	<0.20
Plot 117	07-Jun-22	15867220607106	82.3	<0.010	0.035	76.2	<0.010	<0.010	17.2	<0.0050	0.108	0.065	3.91	77.7	0.076	<0.50	687	0.0171	0.021	0.91	<0.050	---	<0.0050	7.70	1050	0.0053	0.15	1.17	0.0024	<0.10	22.0	<0.20
Plot 117	20-Jun-23	15867230620105	103	<0.010	<0.020	96.4	<0.010	<0.010	19.4	0.0123	0.085	0.094	3.58	78.5	0.072	<0.50	693	0.0182	<0.020	1.31	<0.050	---	<0.0050	9.03	1210	0.0035	<0.10	1.53	0.0021	<0.10	25.4	<0.20
Plot 117	30-May-24	15867240530134	84.6	<0.010	0.024	62.3	<0.010	---	16	0.0074	0.068	0.073	3.46	60.1	0.091	<0.50	652	0.0155	<0.020	0.45	<0.050	---	<0.0050	6.94	1040	0.0024	0.12	0.99	<0.0020	<0.10	20.8	<0.20
Plot 123	15-May-08	15867080515109	149	<0.1	<0.050	78.8	<0.5	---	17	<0.02	<1.0	<1.0	4.5	84	<3.0	<0.4	948	0.02	0.04	<2.0	<1	125	<0.3	4.3	976	<0.02	1.4	5	<0.04	<0.6	26.1	<0.1
Plot 123	12-Jun-09	15867090612121	83.9	<0.1	<0.050	77.5	<0.5	---	16	<0.02	<1.0	<1.0	2.8	57	<3.0	<0.4	913	0.02	0.04	<2.0	<1	1040	<0.3	5	1270	<0.02	<1.0	4	<0.04	<0.6	11.2	<0.1
Plot 123	26-May-10	15867100526136	80	<0.1	<0.050	71.6	<0.5	---	15	<0.02	<1.0	<1.0	3.4	50	<3.0	<0.4	1220	<0.02	<0.02	<2.0	<1	784	<0.3	4.3	1610	<0.02	<1.0	3	<0.04	<0.6	19	<0.1
Plot 123	31-May-11	15867110531148	206	<0.1	<0.050	79.3	<0.5	---	17	<0.02	<1.0	<1.0	6.3	119	3.9	<0.4	838	<0.02	0.04	<2.0	<1	953	<0.3	5.4	1060	<0.02	3.2	9	<0.04	<0.6	20.8	0.5
Plot 123	01-Jun-12	15867120601160	142	<0.1	<0.050	74.8	<0.5	---	10	<0.02	<1.0	<1.0	1.4	62	<3.0	<0.4	794	<0.02	<0.02	<2.0	<1	909	<0.3	4.5	1380	<0.02	<1.0	5	<0.04	<0.6	16.8	<0.1
Plot 123	04-Jun-13	15867130604173	125	2.2	<0.050	78.2	<0.5	---	24	<0.02	<1.0	<1.0	4.4	72	<3.0	<0.4	1210	0.03	<0.02	<2.0	<1	783	<0.3	5	1040	<0.02	<1.0	5	<0.04	<0.6	21.6	4.3
Plot 123	30-May-14	15867140530185	115	<0.1	0.101	88.5	<0.5	---	<2	<0.02	<1.0	<1.0	3.6	80	<0.5	<0.4	1110	0.09	0.03	<2.0	<1	191	<0.3	5.4	1060	<0.02	<1.0	4	<0.04	<0.6	21.6	<0.1
Plot 123	03-Jun-15	15867150603101	100	0.12	<0.050	77	<0.40	---	16	<0.020	<1.0	<0.50	9.5	110	<0.50	<0.80	1100	<0.050	0.17	1	<0.50	---	<0.20	4.7	1100	<0.020	<1.0	1.9	<0.040	<1.0	21	0.43
Plot 123	30-May-16	15867160530103	27	<0.10	<0.050	34	<0.40	---	7.6	<0.020	<1.0	<0.50	1.4	20	<0.50	<0.80	370	<0.050	<0.10	<1.0	<0.50	---	<0.20	1.8	430	<0.020	<1.0	<1.0	<0.040	<1.0	<10	<0.20
Plot 123	31-May-17	15867170531109	53	<0.12	<0.050	68	<0.40	---	14	<0.020	<1.0	<0.50	3.7	48	<0.50	<0.80	600	<0.050	<0.10	<1.0	<0.50	---	<0.20	4.6	740	<0.026	<1.0	<1.0	<0.040	<1.0	15	0.51
Plot 123	31-May-18	15867180531109	140	<0.26	<0.10	79	<0.40	---	17	<0.040	<1.0	<0.50	4	76	<0.50	<1.6	1100	0.08^	<0.050	<1.0	<0.50	---	<0.20	6.3	1100	<0.052	<1.0	<1.0	<0.080	<1.0	20	<1.0
Plot 123	30-May-19	15867190530114	53.1	<0.010	<0.020	92	<0.010	<0.010	17.6	<0.0050	0.221	0.033	3.36	52.3	0.032	<0.50	1090	0.0138	<0.020	0.72	<0.050	---	<0.0050	5.28	1080	0.0054	0.1	0.85	<0.0020	<0.10	21.1	<0.20
Plot 123	02-Jun-20	15867200602103	45.8	<0.010	<0.020	95.3	<0.010	<0.010	15.9	<0.0050	0.053	0.03	3.06	43.3	0.052	<0.50	1070	0.0167	<0.020	0.79	<0.050	---	<0.0050	4.85	1080	<0.0020	<0.10	0.64	<0.0020	<0.10	20.1	<0.20
Plot 123	07-Jun-21	15867210607102	55.5	<0.010	<0.020	76.0	<0.010	<0.010	17.0	<0.0050	0.071	0.033	3.15	50.6	0.044	<0.50	722	0.0112	0.022	0.69	<0.050	---	<0.0050	5.77	1230	<0.0020	<0.10	0.91	<0.0020	<0.10	19.7	<0.20
Plot 123	06-Jun-22	15867220606103	64.4	<0.010	0.025	83.4	<0.010	<0.010	19.1	<0.0050	0.243	0.039	3.73	72.9	0.051	<0.50	953	0.0145	0.033	0.81	<0.050	---	<0.0050	4.86	1090	0.0039	0.13	1.22	0.0024	<0.10	21.0	<0.20
Plot 123	19-Jun-23	15867230619102	71.3	<0.010	<0.020	109	<0.010	<0.010	18.4	0.0114	0.093	0.043	3.04	65.9	0.057	<0.50	1350	0.014	<0.020	1	<0.050	---	<0.0050	6.11	1110	<0.0020	<0.10	1.04	0.002	<0.10	23.2	<0.20
Plot 123	28-May-24	15867240528107	54	0.012	<0.020	91.4	<0.010	---	20.1	<0.0050	0.086	0.036	3.04	50.3	0.036	<0.50	1010	0.0144	<0.020	0.8	<0.050	---	<0.0050	5.68	1200	<0.0020	<0.10	1.05	<0.0020	<0.10	19.7	<0.20
Plot 402	15-May-08	15867080515110	226	<0.1	0.067	71.6	<0.5	---	19	<0.02	<1.0	<1.0	4.3	123	<3.0	<0.4	953	0.02	0.04	<2.0	<1	94.1	<0.3	8.9	1010	<0.02	1.4	8	<0.04	<0.6	28.4	<0.1
Plot 402	12-Jun-09	15867090612122	136	<0.1	<0.050	47.4	<0.5	---	18	<0.02	<1.0	<1.0	3.9	94	<3.0	<0.4	370	<0.02	0.03	<2.0	<1	1210	<0.3	6.6	1300	<0.02	<1.0	6	<0.04	<0.6	14.6	<0.1
Plot 402	12-Jun-09	15867090612127	138	<0.1	<0.050	55.7	<0.5	---	16	<0.02	<1.0	<1.0	3.7	93	<3.0	<0.4	426	0.02	0.03	<2.0	<1	1380	<0.3	7.8	1510	<0.02	<1.0	7	<0.04	<0.6	13.8	<0.1
Plot 402	25-May-10	15867100525137	209	<0.1	<0.050	115	<0.5	---	21	<0.02	6	<1.0	5.1	131	<3.0	<0.4	847	<0.02	0.05	6.4	<1	1300	<0.3	13.8	2060	<0.02	<1.0	7	<0.04	<0.6	27.7	<0.1
Plot 402	31-May-11	15867110531149	364	<0.1	<0.050	92.8	<0.5	---	19	<0.02	<1.0	<1.0	4.3	197	<3.0	<0.4	575	<0.02	0.03	<2.0	<1	1720	<0.3	8.9	1250	<0.02	<1.0	16	<0.04	<0.6	24	1
Plot 402	01-Jun-12	15867120601161	375	<0.1	<0.050	69.4	<0.5	---	11	<0.02	<1.0	<1.0	1.3	171	<3.0	<0.4	855	0.02	<0.02	<2.0	<1	1980	<0.3	9.1	1010	<0.02	<1.0	15	<0.04	<0.6	19.6	<0.1
Plot 402	04-Jun-13	15867130604174	215	2.3	<0.050	66.5	<0.5	---	31	<0.02	<1.0	<1.0	4.8	115	<3.0	<0.4	552	0.02	<0.02	<2.0	<1	1020	<0.3	8.2	1080	<0.02	<1.0	9	<0.04	<0.6	23.6	4.5
Plot 402	31-May-14	15867140531186	169	<0.1	<0.050	78.9	<0.5	---	<2	<0.02	<1.0	<1.0	3.3	92	<0.5	<0.4	967	0.25	0.05	<2.0	<1	<4.00	<0.3	9.5	1120	0.04	<1.0	7	<0.04	<0.6	27.4	<0.1
Plot 402	04-Jun-15	15867150604112	110	0.11	<0.050	93	<0.40	---	19	<0.020	<1.0	<0.50	5.8	100	<0.50	<0.80	810	<0.050	<0.10	<1.0	<0.50	---	<0.20	8.8	1100	<0.020	<1.0	1.9	<0.040	<1.0	23	2
Plot 402	30-May-16	15867160530101	70	<0.10	<0.050	50	<0.40	---	16	<0.020	<1.0	<0.50	2.8	56	<0.50	<0.80	420	<0.050	<0.10	<1.0	<0.50	---	<0.20	5.4	820	<0.020	<1.0	<1.0	<0.040	<1.0	17	0.38
Plot 402	31-May-17	15867170531101	47	<0.12	<0.050	69	<0.40	---	14	<0.020	<1.0	<0.50	2.4	57	<0.50	<0.80	710	<0.050	<0.10	<1.0	<0.50	---	<0.20	7.8	830	<0.026	<1.0	<1.0	<0.040	<1.0	20	2
Plot 402	29-May-18	15867180529101	420	<0.26	<0.10	89	<0.40	---	20	<0.040	<1.0	<0.50	10*	340	<0.50	<1.6	810	<0.050	0.083	<1.0	<0.50	---	<0.20	11	1300	<0.052	<1.0	2.3	<0.080	<1.0	36	1.2
Plot 402	30-May-19	15867190530110	94.3	<0.010	0.03	99.3	<0.010	<0.010	20.9	<0.0050	0.127	0.062	3.5	102	0.06	<0.50	814	0.0149	0.022	0.54	<0.050	---	<0.0050	10.4	1250	0.0127	<0.10	1.86	0.004	0.15	26.7	<0.20
Plot 402	02-Jun-20	15867200602101	69.8	<0.010	<0.020	87.5	<0.010	<0.010	20.0	<0.0050	0.074	0.042	3.32	68.7	0.047	<0.50	843	0.0201	<0.020	0.43	<0.050	---	<0.0050	9.38	1180	0.0055	<0.10	1.12	0.0028	<0.10	23.8	<0.20
Plot 402	07-Jun-21	15867210607101	85.9	<0.010	0.029	88.6	<0.010	<0.010	28.1	0.0065	0.116	0.054	3.95	84.9	0.054	<0.50	863	0.0135	0.033	0.40	<0.050	---	<0.0050	10.6	1420	0.0053	<0.10	1.74	0.0032	<0.10	27.2	<0.20
Plot 402	06-Jun-22	15867220606101	103	<0.010	0.042	95.4	<0.010	<0.010	24.9	0.0059	0.150	0.074	3.86	118	0.084	<0.50	620	0.0190	0.023	0.71	<0.050	---	<0.0050	10.1	1080	0.012	0.18	1.97	0.0054	0.16	25.0	<0.20
Plot 402	20-Jun-23	15867230620110	93.5	<0.010	0.026	95.4	<0.010	<0.010	26.1	0.0104	0.108	0.051	3.41	91.3	0.057	<0.50	949	0.0191	<0.020	0.49	<0.050	---	<0.0050	12.3	1240	0.0076	<0.10	1.7	0.0026	0.12	29.4	<0.20
Plot 402	27-May-24	15867240527101	65.9	<0.010	0.027	103	<0.010	---	24.1	0.0087	0.086	0.042	3.2	79.4	0.059	<0.50	1050	0.0174	0.034	0.31	<0.050	---	<0.0050	12.4	1230	0.0108	0.19	1.67	0.0034	<0.10	27.1	<0.20

Notes:

* - result is from recheck completed on subsample submitted in July 2018.

^ - results are from rechecks completed on subsamples submitted in October 2018.

TABLE G4

Historical Labrador Tea Leaves Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 4	15-May-08	15867080515101	---	5510	1280	3330	58	1080	1020
Plot 4	12-Jun-09	15867090612113	1.74	5980	1360	4130	<50	1330	1270
Plot 4	25-May-10	15867100525128	1.71	6220	1840	5500	<50	1310	1720
Plot 4	31-May-11	15867110531140	1.81	8130	1960	5560	56	1540	1270
Plot 4	01-Jun-12	15867120601152	1.58	6300	1360	4570	53	1360	1040
Plot 4	05-Jun-13	15867130605164	1.95	6710	1990	5780	59	1620	1040
Plot 4	29-May-14	15867140529177	1.53	8480	1690	5950	<50	1560	1390
Plot 4	03-Jun-15	15867150603106	1.54	6200	1700	4600	<50	1200	1000
Plot 4	31-May-16	15867160531105	1.45	4600	1100	2600	<50	810	750
Plot 4	31-May-17	15867170531108	1.55	6100	1300	3500	<50	1000	920
Plot 4	29-May-18	15867180529103	1.56	6800	1700	5400	63	1500	1200
Plot 4	31-May-19	15867190531130	1.37	5810	1660	4410	38	1300	1100
Plot 4	03-Jun-20	15867200603108	1.45	6110	1590	4830	<20	1570	1270
Plot 4	08-Jun-21	15867210608110	1.63	6930	1850	4870	31	1500	1160
Plot 4	08-Jun-22	15867220608111	1.69	6790	1530	4630	24	1420	1120
Plot 4	19-Jun-23	15867230619103	1.59	7190	1570	3920	51	1270	1230
Plot 4	29-May-24	15867240529126	1.44	5710	1650	4350	21	1390	1260
Plot 11	15-May-08	15867080515102	---	6310	1740	4050	<50	1250	975
Plot 11	12-Jun-09	15867090612114	1.87	5610	1240	4590	<50	1400	1590
Plot 11	26-May-10	15867100526129	1.67	7350	2300	6260	<50	1600	1770
Plot 11	31-May-11	15867110531141	1.58	6170	1760	5260	<50	1390	1260
Plot 11	01-Jun-12	15867120601153	1.66	5650	1390	4810	<50	1310	1040
Plot 11	05-Jun-13	15867130605165	2.07	6400	1670	5760	<50	1610	1190
Plot 11	31-May-14	15867140531178	1.55	6420	1380	5090	<50	1370	1060
Plot 11	03-Jun-15	15867150603103	1.62	5200	1400	4200	<50	1200	970
Plot 11	31-May-16	15867160531104	1.51	4200	1100	2800	<50	890	770
Plot 11	01-Jun-17	15867170601110	1.64	4500	940	3100	<64	890	730
Plot 11	31-May-18	15867180531112	1.4	6500	1600	4900	<50	1400	1200
Plot 11	01-Jun-19	15867190601132	1.45	5640	1620	4460	<20	1420	1130
Plot 11	02-Jun-20	15867200602104	1.29	6150	1530	5220	<20	1480	1280
Plot 11	07-Jun-21	15867210607103	1.71	6760	1730	4910	30	1600	1200
Plot 11	08-Jun-22	15867220608112	1.79	6150	1440	4870	21	1490	1200
Plot 11	29-Jun-23	15867230629112	1.53	7380	1740	4610	<20	1100	1190
Plot 11	28-May-24	15867240528117	1.47	5570	1590	4650	<20	1470	1240
Plot 28	05-Jun-13	15867130605166	1.74	6520	1610	5430	<50	1400	991
Plot 28	03-Jun-15	15867150603102	1.4	5900	1600	4300	<50	1300	990
Plot 40	15-May-08	15867080515111	---	5630	1530	3690	57	1320	973
Plot 40	12-Jun-09	15867090612125	1.75	6250	1430	4130	<50	1350	1630
Plot 40	25-May-10	15867100525138	1.44	7490	2220	6190	<50	1530	1790
Plot 40	31-May-11	15867110531150	1.71	8060	1950	5570	<50	1530	1340
Plot 40	01-Jun-12	15867120601162	1.57	5950	1370	4430	<50	1390	1300
Plot 40	05-Jun-13	15867130605175	1.72	5940	1760	5340	<50	1590	1080
Plot 40	29-May-14	15867140529187	1.59	7440	1710	5130	<50	1430	1210

TABLE G4

Historical Labrador Tea Leaves Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 41	15-May-08	15867080515112	---	6130	1500	4190	54	1480	1110
Plot 41	12-Jun-09	15867090612126	1.83	5860	1390	4310	<50	1350	1570
Plot 41	26-May-10	15867100526139	1.44	6400	1900	5480	<50	1430	2030
Plot 41	31-May-11	15867110531151	1.55	6610	1660	5270	<50	1440	1300
Plot 41	01-Jun-12	15867120601163	1.66	5780	1390	5240	<50	1480	1360
Plot 41	05-Jun-13	15867130605176	1.77	5900	1690	5330	<50	1520	1110
Plot 41	31-May-14	15867140531188	1.57	7200	1440	4990	<50	1520	1190
Plot 70	15-May-08	15867080515103	---	5280	1460	3570	134	1250	1020
Plot 70a	12-Jun-09	15867090612115	1.79	5390	1290	3970	<50	1210	1450
Plot 70b	12-Jun-09	15867090612123	1.87	6400	1160	5180	56	1580	1470
Plot 70c	12-Jun-09	15867090612124	1.82	5380	1230	4120	<50	1260	1390
Plot 70	25-May-10	15867100525130	1.63	6050	1650	5250	<50	1500	1970
Plot 70	31-May-11	15867110531142	2.01	6570	1590	4910	<50	1630	1300
Plot 70	01-Jun-12	15867120601154	1.87	5790	1250	4690	<50	1510	1310
Plot 70	05-Jun-13	15867130605167	1.94	5820	1430	6890	172	1690	1190
Plot 70	31-May-14	15867140531179	1.57	6810	1260	4840	<50	1570	1140
Plot 70	04-Jun-15	15867150604115	1.82	6000	1400	4500	56	1300	1000
Plot 70	02-Jun-16	15867160602112	1.61	3800	940	2700	<50	870	730
Plot 70	01-Jun-17	15867170601112	1.6	4700	930	3300	<50	990	850
Plot 70	31-May-18	15867180531111	1.42	6200	1300	4500	<50	1400	1100
Plot 70	02-Jun-20	15867200602105	1.47	5630	1360	4720	<20	1560	1190
Plot 70	08-Jun-21	15867210608104	1.74	6200	1650	4680	32	1550	1070
Plot 70	07-Jun-22	15867220607105	1.71	4900	1300	4540	27	1560	1110
Plot 70	19-Jun-23	15867230619101	1.48	6430	1400	3640	33	1150	1210
Plot 70	30-May-24	15867240530137	1.42	5750	1320	3600	87	1450	1090
Plot 71	15-May-08	15867080515104	---	5260	1460	3870	<50	1290	1020
Plot 71	12-Jun-09	15867090612116	1.62	5200	1220	4040	<50	1250	1130
Plot 71	25-May-10	15867100525131	1.41	6410	2250	6120	<50	1500	1660
Plot 71	31-May-11	15867110531143	0.887	6530	1680	4770	<50	1280	1080
Plot 71	01-Jun-12	15867120601155	1.44	5720	1280	4740	<50	1370	1120
Plot 71	05-Jun-13	15867130605168	1.45	6360	1420	4490	115	1160	892
Plot 71	31-May-14	15867140531180	1.31	6060	1150	4670	<50	1110	880
Plot 71	04-Jun-15	15867150604114	1.58	6900	1500	3400	<50	1000	840
Plot 71	02-Jun-16	15867160602111	1.24	4800	1000	2300	<50	750	610
Plot 71	01-Jun-17	15867170601111	1.23	4500	890	2500	<50	740	620
Plot 71	31-May-18	15867180531110	1.25	5700	1300	3800	52	1100	930
Plot 71	01-Jun-19	15867190601139	1.18	5270	1270	3640	23	1080	910
Plot 71	03-Jun-20	15867200604112	0.99	5680	1280	3930	<20	1200	980
Plot 71	09-Jun-21	15867210609111	1.31	6940	1420	4160	34	1200	1010
Plot 71	06-Jun-22	15867220606104	1.42	6530	1840	4050	25	1260	900
Plot 71	19-Jun-23	15867230619104	1.04	6420	1440	3480	<20	860	886
Plot 71	30-May-24	15867240530136	1.17	5700	1290	3490	34	1400	940

TABLE G4

Historical Labrador Tea Leaves Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 109	15-May-08	15867080515105	---	5900	1330	3410	<50	1350	979
Plot 109	12-Jun-09	15867090612117	1.6	6040	1230	4290	<50	1300	1300
Plot 109	26-May-10	15867100526132	1.26	7300	2070	5960	<50	1520	1770
Plot 109	31-May-11	15867110531144	1.56	6270	1570	4720	<50	1350	1150
Plot 109	01-Jun-12	15867120601156	1.58	5560	1180	4620	<50	1260	933
Plot 109	05-Jun-13	15867130605169	1.78	6690	1400	5220	<50	1570	1050
Plot 109	30-May-14	15867140530181	1.46	6820	1490	4890	<50	1340	1060
Plot 109	04-Jun-15	15867150604108	1.66	5100	1400	4100	<50	1100	930
Plot 109	31-May-16	15867160531106	1.35	4200	1100	2700	<50	850	710
Plot 109	31-May-17	15867170531105	1.47	4400	930	2900	<50	830	690
Plot 109	30-May-18	15867180530106	1.43	5800	1200	4700	<50	1500	1100
Plot 109	30-May-19	15867190530115	1.3	5750	1510	4520	<20	1380	1060
Plot 109	03-Jun-20	15867200603109	1.11	5590	1290	4400	<20	1340	1100
Plot 109	08-Jun-21	15867210608107	1.39	5650	1350	4440	<20	1260	980
Plot 109	07-Jun-22	15867220607108	1.49	5720	1430	4440	27	1430	1040
Plot 109	20-Jun-23	15867230620107	1.28	6400	1440	3980	<20	970	1080
Plot 109	29-May-24	15867240529128	1.28	5410	1550	3880	<20	1330	1020
Plot 110	15-May-08	15867080515106	---	5720	1570	3640	<50	1410	1060
Plot 110	12-Jun-09	15867090612118	1.75	5960	1430	4360	<50	1290	1290
Plot 110	26-May-10	15867100526133	1.51	6570	2210	6150	<50	1550	2000
Plot 110	31-May-11	15867110531145	1.8	6500	1910	5480	<50	1490	1290
Plot 110	01-Jun-12	15867120601157	1.6	5560	1380	4970	<50	1370	1060
Plot 110	04-Jun-13	15867130604170	1.91	6940	1530	5890	<50	1640	1260
Plot 110	30-May-14	15867140530182	1.47	7080	1460	5130	<50	1390	1190
Plot 110	04-Jun-15	15867150604110	1.69	5700	1500	4600	<50	1300	1100
Plot 110	31-May-16	15867160531108	1.47	3700	860	2600	<50	790	680
Plot 110	31-May-17	15867170531107	1.65	3600	790	2300	<50	710	570
Plot 110	30-May-18	15867180530107	1.47	6200	1400	4600	<50	1300	1100
Plot 110	30-May-19	15867190530118	1.5	5660	1630	4770	64	1360	1170
Plot 110	03-Jun-20	15867200603111	1.29	6160	1420	4790	<20	1420	1180
Plot 110	08-Jun-21	15867210608109	1.54	6060	1520	5120	<20	1480	1240
Plot 110	07-Jun-22	15867220607110	1.83	6090	1500	4880	23	1530	1200
Plot 110	20-Jun-23	15867230620109	1.46	7340	1750	4160	<20	1150	1150
Plot 110	29-May-24	15867240529124	1.52	6640	1580	4030	<20	1470	1290

TABLE G4

Historical Labrador Tea Leaves Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 114	15-May-08	15867080515108	---	5570	1470	4450	<50	1480	1070
Plot 114	12-Jun-09	15867090612119	1.77	5670	1410	4880	<50	1380	1390
Plot 114	26-May-10	15867100526134	1.37	6970	2110	6510	<50	1420	1980
Plot 114	31-May-11	15867110531146	1.52	6390	1410	4730	<50	1190	1040
Plot 114	01-Jun-12	15867120601158	1.59	5780	1130	4580	<50	1160	974
Plot 114	04-Jun-13	15867130604171	1.94	6450	1450	6380	<50	1640	1240
Plot 114	31-May-14	15867140531183	1.51	6320	1190	5250	<50	1200	1020
Plot 114	04-Jun-15	15867150604107	1.65	6100	1600	5100	<50	1300	1000
Plot 114	01-Jun-16	15867160601110	1.51	4800	1400	4200	<50	1200	960
Plot 114	31-May-17	15867170531104	1.63	4900	1000	3900	<50	990	860
Plot 114	30-May-18	15867180530104	1.63	6200	1500	5200	55	1500	1100
Plot 114	31-May-19	15867190531124	1.4	5290	1500	5220	20	1410	1160
Plot 114	03-Jun-20	15867200603107	1.46	5350	1410	5290	<20	1550	1310
Plot 114	08-Jun-21	15867210608106	1.7	6220	1650	5580	29	1490	1120
Plot 114	07-Jun-22	15867220607107	1.73	4930	1350	4960	<20	1490	1160
Plot 114	20-Jun-23	15867230620106	1.43	5570	1650	4290	<20	1210	1190
Plot 114	30-May-24	15867240530135	1.53	5520	1530	5100	<20	1570	1170
Plot 117	15-May-08	15867080515107	---	5750	1410	3640	<50	1300	966
Plot 117	12-Jun-09	15867090612120	1.69	5780	1140	4160	<50	1240	1230
Plot 117	26-May-10	15867100526135	1.55	7540	2180	6840	<50	1750	1840
Plot 117	31-May-11	15867110531147	1.59	6740	1580	4290	<50	1280	1140
Plot 117	01-Jun-12	15867120601159	1.54	5140	1280	4620	<50	1360	999
Plot 117	04-Jun-13	15867130604172	1.7	5870	1360	4680	<50	1390	1080
Plot 117	31-May-14	15867140531184	1.46	7110	1330	5110	<50	1420	1100
Plot 117	04-Jun-15	15867150604111	1.55	5300	1300	4100	<50	1100	900
Plot 117	01-Jun-16	15867160601109	1.55	5100	1100	3200	<50	1000	830
Plot 117	31-May-17	15867170531103	1.53	4400	940	3400	<50	950	760
Plot 117	30-May-18	15867180530105	1.56	6500	1500	4900	<50	1400	1200
Plot 117	31-May-19	15867190531123	1.57	5910	1580	4510	<20	1350	1090
Plot 117	03-Jun-20	15867200603106	1.28	5290	1450	4830	<20	1410	1250
Plot 117	08-Jun-21	15867210608105	1.15	5350	1510	5180	<20	1510	1140
Plot 117	07-Jun-22	15867220607106	1.85	5770	1380	4630	27	1430	1050
Plot 117	20-Jun-23	15867230620105	1.58	7990	1670	3750	<20	1210	1220
Plot 117	30-May-24	15867240530134	1.49	5500	1520	4000	<20	1470	1040

TABLE G4

Historical Labrador Tea Leaves Quality Results - Macronutrients

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	N %	Ca mg/kg	Mg mg/kg	K mg/kg	Na mg/kg	P mg/kg	S mg/kg
Plot 123	15-May-08	15867080515109	---	5540	1340	3310	<50	1180	976
Plot 123	12-Jun-09	15867090612121	1.65	5250	1270	3410	<50	1150	1270
Plot 123	26-May-10	15867100526136	1.23	6000	1480	5120	<50	1270	1610
Plot 123	31-May-11	15867110531148	1.4	6170	1450	4400	<50	1160	1060
Plot 123	01-Jun-12	15867120601160	1.52	5450	1330	4880	<50	1280	1380
Plot 123	04-Jun-13	15867130604173	1.67	5530	1370	4450	<50	1220	1040
Plot 123	30-May-14	15867140530185	1.3	6610	1280	4800	<50	1170	1060
Plot 123	03-Jun-15	15867150603101	1.58	6000	1400	4300	<50	1200	1100
Plot 123	30-May-16	15867160530103	1.48	2600	550	1500	<50	490	430
Plot 123	31-May-17	15867170531109	1.55	4500	970	3200	<50	920	740
Plot 123	31-May-18	15867180531109	1.33	6200	1400	4300	<50	1300	1100
Plot 123	30-May-19	15867190530114	1.38	5680	1510	4630	<20	1290	1080
Plot 123	02-Jun-20	15867200602103	1.1	5880	1240	4580	<20	1240	1080
Plot 123	07-Jun-21	15867210607102	1.44	5600	1480	5210	21	1380	1230
Plot 123	06-Jun-22	15867220606103	1.45	5690	1380	4410	20	1360	1090
Plot 123	19-Jun-23	15867230619102	1.4	6800	1430	4120	<20	1110	1150
Plot 123	28-May-24	15867240528107	1.45	6030	1480	4420	<20	1390	1200
Plot 402	15-May-08	15867080515110	---	5680	1540	3650	<50	1350	1010
Plot 402	12-Jun-09	15867090612122	1.87	5810	1110	4550	<50	1290	1300
Plot 402	12-Jun-09	15867090612127	1.91	5720	1260	4450	<50	1290	1510
Plot 402	25-May-10	15867100525137	1.63	7970	2010	6870	<50	1720	2060
Plot 402	31-May-11	15867110531149	1.54	6550	1560	5650	<50	1340	1250
Plot 402	01-Jun-12	15867120601161	1.51	5120	1300	4760	<50	1210	1010
Plot 402	04-Jun-13	15867130604174	1.82	6120	1450	5370	<50	1380	1080
Plot 402	31-May-14	15867140531186	1.63	7060	1360	5110	<50	1360	1120
Plot 402	04-Jun-15	15867150604112	1.77	6100	1400	5300	<50	1300	1100
Plot 402	30-May-16	15867160530101	1.6	4700	1200	3100	<50	980	820
Plot 402	31-May-17	15867170531101	1.78	5200	1100	3400	<50	980	830
Plot 402	29-May-18	15867180529101	1.55	7700	1700	5400	120	1700	1300
Plot 402	30-May-19	15867190530110	1.57	6030	1620	5260	<20	1510	1250
Plot 402	02-Jun-20	15867200602101	1.33	6330	1400	5290	<20	1440	1180
Plot 402	07-Jun-21	15867210607101	1.61	6150	1760	6200	23	1730	1420
Plot 402	06-Jun-22	15867220606101	1.72	6490	1460	5300	35	1470	1080
Plot 402	20-Jun-23	15867230620110	1.37	7280	1730	4800	<20	1240	1340
Plot 402	27-May-24	15867240527101	1.52	6360	1560	5000	<20	1500	1230

TABLE G5

Historical Moss Bag Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Unexposed - Acid Washed																													
Unexposed Moss	03-Jul-19	15867190703001	188	0.032	0.21	2.91	<0.010	<1.0	<0.0050	0.5	0.089	0.63	423	2.87	<0.50	4.18	0.0287	0.331	0.42	0.071	0.0061	0.354	560	0.0022	3.58	5.25	0.0144	0.45	2.46	0.42
Unexposed Moss	03-Jul-19	15867190703002	209	0.033	0.216	2.97	<0.010	<1.0	<0.0050	0.54	0.086	0.72	445	3.4	<0.50	3.55	0.0283	0.331	0.37	0.063	0.0058	0.356	570	0.0024	2.73	5.39	0.0166	0.51	2.15	0.38
Unexposed Moss	03-Jul-19	15867190703003	210	0.028	0.218	2.64	<0.010	<1.0	<0.0050	0.537	0.088	0.77	448	3.05	<0.50	3.7	0.0298	0.327	0.4	0.066	0.0065	0.347	550	0.0021	3.42	5.74	0.0154	0.5	2.4	0.39
Unexposed Moss*	09-Jun-21	15867210610103	943	0.071	0.638	10.5	0.016	<1.0	0.0074	1.89	0.23	5.02	885	3.27	<0.50	3.74	0.0653	0.928	0.65	0.142	0.0192	1.55	980	0.0107	1.97	23	0.121	1.94	2.43	1.3
Unexposed Moss*	09-Jun-21	15867210610101	855	0.077	0.676	10.7	0.016	<1.0	0.0102	1.81	0.26	5.3	902	3.44	<0.50	4.78	0.0735	1.19	0.77	0.177	0.031	1.6	1090	0.0115	1.67	21.6	0.136	1.82	2.95	1.17
Unexposed Moss*	09-Jun-21	15867210610102	1080	0.066	0.605	10.8	0.017	<1.0	0.0073	2.05	0.229	4.75	889	3.25	<0.50	4.06	0.0644	0.799	0.67	0.145	0.0184	1.64	980	0.0127	2.19	23.3	0.118	2.13	2.53	1.36
Unexposed Moss	08-Jun-22	15867220608219	272	0.051	0.273	3.98	<0.010	<1.0	0.0142	0.766	0.132	1.49	331	0.544	<0.50	7.73	0.0375	0.436	0.45	0.079	0.0081	0.509	670	0.0035	0.47	8.02	0.0346	0.61	4.88	0.72
Unexposed Moss	08-Jun-22	15867220608220	254	0.048	0.26	3.53	<0.010	<1.0	0.0147	0.718	0.125	1.43	316	0.565	<0.50	7.36	0.0455	0.407	0.43	0.087	0.007	0.477	670	0.0027	0.35	7.69	0.0334	0.55	6.75	0.57
Unexposed Moss	08-Jun-22	15867220608221	250	0.047	0.258	3.77	<0.010	<1.0	0.0135	0.692	0.145	1.63	321	0.553	<0.50	8.63	0.0328	0.42	0.42	0.077	0.0064	0.448	630	<0.0020	0.41	7.65	0.0371	0.56	4.5	0.54
Unexposed Moss	21-Jun-23	15867230621216	259	0.042	0.25	4.08	<0.010	<1.0	0.0173	0.693	0.132	1.57	329	0.57	<0.50	8.92	0.0388	0.396	0.47	0.068	0.006	0.469	580	<0.0020	0.54	7.96	0.0298	0.55	5.16	0.5
Unexposed Moss	21-Jun-23	15867230621217	245	0.043	0.268	3.73	<0.010	<1.0	0.0155	0.632	0.138	1.35	329	0.507	<0.50	8.34	0.0355	0.356	0.43	0.075	0.0055	0.432	540	<0.0020	1.01	7.04	0.0288	0.5	4.99	0.52
Unexposed Moss	21-Jun-23	15867230621218	237	0.045	0.255	3.92	<0.010	<1.0	0.0178	0.592	0.14	1.56	319	0.571	<0.50	8.82	0.035	0.392	0.42	0.071	0.0058	0.405	530	<0.0020	0.37	6.7	0.0293	0.48	4.55	0.42
Unexposed Moss	30-May-24	15867240530319	274	0.045	0.27	3.89	<0.010	<1.0	0.013	0.688	0.123	1.38	313	0.559	<0.50	7.2	0.0354	0.376	0.43	0.073	0.0062	0.503	---	0.0026	0.39	8.82	0.034	0.6	3.87	0.57
Unexposed Moss	30-May-24	15867240530320	295	0.047	0.285	3.97	<0.010	<1.0	0.0138	0.744	0.126	1.46	331	0.549	<0.50	7.81	0.035	0.407	0.46	0.077	0.0081	0.519	---	0.0026	0.23	9.56	0.0354	0.65	4.01	0.63
Unexposed Moss	30-May-24	15867240530321	295	0.053	0.295	4.2	<0.010	<1.0	0.0146	0.777	0.138	1.45	354	0.577	<0.50	7.4	0.0372	0.423	0.46	0.08	0.0071	0.542	---	0.0028	0.26	9.41	0.0384	0.67	4.25	0.64
Zone 1																													
MB4	31-May-19	15867190531420	231	0.049	0.26	3.86	<0.010	<1.0	0.0175	0.504	0.115	0.99	419	2.9	<0.50	17.5	0.0419	0.327	0.4	0.063	0.0092	0.72	550	0.0066	3.01	6.63	0.0173	0.57	5.99	0.4
MB4*	08-Jun-21	15867210608411	1420	0.054	0.696	14.5	0.022	1.1	0.0142	3.02	0.234	2.56	865	3.22	<0.50	9.38	0.0771	0.938	0.82	0.137	0.0218	2.19	1070	0.0145	0.12	19.7	0.148	2.94	4.28	2.18
MB4	08-Jun-22	15867220608213	296	0.089	0.35	6.28	<0.010	1.4	0.0299	0.849	0.168	2.11	408	1.12	<0.50	30.7	0.0841	0.465	0.67	0.106	0.0117	1.22	700	0.0033	1.03	10.4	0.0419	0.69	9.48	0.69
MB4	19-Jun-23	15867230619202	310	0.071	0.298	5.76	<0.010	<1.0	0.0281	0.741	0.165	1.9	406	0.795	<0.50	25.5	0.0543	0.396	0.58	0.082	0.01	1.15	670	0.0037	0.41	9.78	0.0406	0.72	8.08	0.65
MB4	29-May-24	15867240529314	305	0.071	0.29	6.2	<0.010	1	0.025	0.681	0.185	1.87	382	0.837	<0.50	20	0.049	0.432	0.56	0.076	0.0105	0.933	---	0.0034	0.25	9.29	0.0351	0.69	5.82	0.64
MB5	31-May-19	15867190531418	226	0.065	0.308	3.44	<0.010	<1.0	0.0189	0.53	0.102	1.25	429	2.92	<0.50	11.8	0.0444	0.337	0.43	0.075	0.0096	0.64	580	0.0056	3.52	6.73	0.0172	0.56	6.25	0.4
MB5*	08-Jun-21	15867210608409	1130	0.064	0.714	12.9	0.017	<1.0	0.016	2.26	0.222	2.24	955	2.92	<0.50	5.51	0.0909	0.82	0.77	0.143	0.0196	1.86	1020	0.012	0.13	22	0.142	2.38	4.7	1.51
MB5	07-Jun-22	15867220607212	299	0.079	0.37	5.67	<0.010	1	0.029	0.771	0.173	2.2	402	1.37	<0.50	13.1	0.0852	0.489	0.59	0.098	0.012	0.922	770	0.0028	0.6	10.9	0.0418	0.7	9.1	0.68
MB5	19-Jun-23	15867230619203	273	0.072	0.282	4.97	<0.010	<1.0	0.0322	0.638	0.154	1.96	354	0.828	<0.50	15.1	0.056	0.402	0.44	0.076	0.011	0.93	660	0.0033	0.26	8.85	0.0335	0.61	7.51	0.56
MB5	29-May-24	15867240529315	274	0.056	0.252	5.27	<0.010	<1.0	0.0251	0.646	0.157	1.76	356	0.888	<0.50	15.2	0.0452	0.415	0.49	0.07	0.0086	0.9	---	0.0032	0.69	8.46	0.0341	0.62	6.06	0.64
MB15	30-May-19	15867190530413	213	0.051	0.25	4.25	<0.010	<1.0	0.0185	0.503	0.111	0.98	411	2.93	<0.50	42.2	0.0416	0.361	0.46	0.066	0.0081	0.992	560	0.0045	2.54	6.59	0.0168	0.54	6.53	0.4
MB15*	08-Jun-21	15867210608410	764	0.057	0.581	9.74	0.014	<1.0	0.011	1.89	0.192	1.88	1110	2.76	<0.50	28.9	0.0715	0.701	0.69	0.13	0.0167	1.65	1000	0.0091	0.12	21.6	0.118	1.81	4.78	1.58
MB15	07-Jun-22	15867220607210	286	0.069	0.286	5.12	<0.010	<1.0	0.0175	0.718	0.154	1.67	365	0.755	<0.50	10.9	0.0541	0.446	0.51	0.086	0.0083	0.775	610	0.0023	0.26	10.3	0.0353	0.65	5.14	0.65
MB15	19-Jun-23	15867230619207	380	0.085	0.325	8.54	<0.010	<1.0	0.0455	0.808	0.197	2.18	447	1.16	<0.50	61.3	0.0652	0.457	0.73	0.087	0.0129	1.93	670	0.0054	0.23	11.3	0.0423	0.87	12.1	0.74
MB15	29-May-24	15867240529313	284	0.064	0.25	5.08	<0.010	<1.0	0.0206	0.596	0.153	1.63	395	0.653	<0.50	18.9	0.0525	0.404	0.48	0.075	0.0077	0.799	---	0.0031	0.17	9.23	0.033	0.62	4.68	0.62
Zone 2																													
MB1	01-Jun-19	15867190601422	215	0.038	0.197	3.22	<0.010	<1.0	0.0111	0.478	0.099	0.74	418	2.34	<0.50	24.6	0.0375	0.334	0.38	0.071	0.0074	0.683	580	0.0034	2.81	5.83	0.0163	0.53	3.14	0.41
MB1*	07-Jun-21	15867210607405	968	0.045	0.648	12.3	0.016	<1.0	0.0088	2.2	0.203	2.58	640	3.16	<0.50	7.03	0.078	0.787	0.71	0.135	0.0188	1.69	1060	0.0112	<0.10	16.5	0.151	2.5	2.49	1.78
MB1	08-Jun-22	15867220608216	335	0.068	0.289	6.33	<0.010	<1.0	0.0204	0.884	0.159	1.73	432	0.737	<0.50	22.3	0.059	0.487	0.63	0.087	0.0088	1.06	690	0.003	0.82	11.7	0.0408	0.76	6.73	0.83
MB1	19-Jun-23	15867230619208	396	0.057	0.273	9.77	0.01	<1.0	0.0445	0.763	0.201	1.93	436	0.706	<0.50	81.6	0.0584	0.39	0.74	0.083	0.01	2.51	690	0.0054	0.43	11.8	0.0419	0.88	10.4	0.66
MB1	28-May-24	15867240528304	326	0.059	0.28	6.44	<0.010	<1.0	0.0301	0.676	0.156	1.71	369	0.603	<0.50	44.6	0.063	0.422	0.61	0.078	0.0105	1.22	---	0.0041	0.2	9.74	0.0366	0.73	6.68	0.78
MB2	01-Jun-19	15867190601426	204	0.036	0.209	3.19	<0.010	<1.0	0.0083	0.459	0.097	0.69	407	2.79	<0.50	13.6	0.0353	0.296	0.34	0.063	0.0077	0.614	550	0.0029	2.45	5.63	0.0152	0.49	2.93	0.37
MB2*	07-Jun-21	15867210607406	1240	0.077	0.616	12.8	0.02	<1.0	0.0053	2.43	0.213	1.73	988	1.95	<0.50	8.33	0.0635	0.729	0.8	0.129	0.0162	1.89	960	0.0129	<0.10	19.5	0.118	2.47	2.58	1.54
MB2	08-Jun-22	15867220608217	286	0.066	0.317	5.56	<0.010	1	0.0233	0.791	0.16	1.87	409	0.727	<0.50	25.2	0.0492	0.499	0.62	0.094	0.0083	0.862	770	0.0027	1.26	9.65	0.0395	0.63	6.39	0.7
MB2	19-Jun-23	15867230619209	242	0.053	0.247	5.05	<0.010	<1.0	0.0237	0.555	0.21	2.19	351	0.605	<0.50	22.3	0.0462	0.482	0.43	0.056	0.0081	0.892	720	0.0031	0.11	7.7	0.0318	0.55	5.75	0.51
MB2	28-May-24	15867240528305	270	0.051	0.261	4.58	<0.010	<1.0	0.0176	0.605	0.121	1.46	336	0.555	<0.50	14.7	0.0465	0.404	0.42	0.076	0.0082	0.763	---	0.0034	0.88	8.73	0.0355	0.62	4.23	0.64
MB9	30-May-19	15867190530411	200	0.038	0.202	3.55	<0.010	<1.0	0.0087	0.434	0.109	0.69	370	2.18	<0.50	20.1	0.0404	0.336	0.46	0.068	0.0068	0.662	530	0.003	2.45	6.06	0.0172	0.5	3.56	0.41
MB9*	07-Jun-21	15867210607403	967	0.048	0.651	11.8	0.018	<1.0	0.0069	2.24	0.191	2.07	884	2.66	<0.50	7.11	0.0678	0.826	0.7	0.142	0.0245	1.64	1080	0.0107	<0.10	20.5	0.132	2.21	2.7	1.7
MB9	06-Jun-22	15867220606203	299	0.059	0.29	4.96	<0.010	<1.0	0.0159	0.726	0.142	2.27	388	0.757	<0.50	14.6	0.0502	0.442	0.59	0.101	0.0075	0.879	650	<0.0020	3.6	10.5	0.039	0.65	5.09	0.71
MB9	19-Jun-23	15867230619201	279	0.067	0.323	4.98	<0.010	<1.0	0.0161	0.758	0.182	1.77	439	0.685	<0.50	13	0.0499	0.813	0.42	0.074	0.0089	0.73	780	0.0026	0.13	9.61	0.0402	0.61	4.89	0.65
MB9	27-May-24	15867240527303	237	0.056	0.247	4.54	<0.010	<1.0	0.0161	0.602	0.142	1.46	309	0.515	<0.50	13.7	0.0467	0.398	0.48	0.067	0.0076	0.756	---	0.0025	<0.10	7.78	0.0308	0.54	3.67	0.67
MB11	01-Jun-19	15867190601424	200	0.046	0.193	2.94	<0.010	<1.0	0.0053	0.47	0.091	0.62	431	2.41	<0.50	31.1	0.0366	0.328	0.33	0.07	0.0161	0.528	590	0.0025	2.93	5.94	0.0153	0.51	2.83	0.36
MB11*	07-Jun-21	15867210607404	722	0.051	0.713	11.4	0.013	<1.0	<0.0050	2.1	0.191	1.61	1260	2.7	<0.50	5.77	0.0716	0.659	0.67	0.151	0.0202	1.56	1030	0.0078	0.11	19.6	0.141	1.81	2.02	1.82
MB11	08-Jun-22	15867220608218	313	0.059	0.303	5.23	<0.010	<1.0	0.0164	0.761	0.138	1.66	420	0.839	<0.50	16.6	0.0518	0.463	0.52	0.088	0.0074	0.873	640	0.0025	1.45	11	0.0478	0.73	5.25	0.75
MB11	29-Jun-23	15867230629218	312	0.053	0.258	5.44	0.01	<1.0	0.0213	0.697	0.156	1.75	383	0.655	<0.50	23.1	0.0463	0.407	0.59	0.1	0.0089	0.999	650	0.0032	0.87	9.29	0.039	0.71	6.36	0.77
MB11	28-May-24	15867240528306	257	0.048	0.244	4.79	<0.010	<1.0	0.0153	0.621	0.134	1.49	312	0.546	<0.50	10.1	0.0392	0.556	0.4	0.06	0.007	0.603	---	0.0023	0.16	7.94	0.0311	0.56	3.71	0.59
MB14	30-May-19	15867190530409	258	0.044	0.199	4.27	<0.010	<1.0	0.0135	0.506	0.113	0.82	419	2.58	<0.50	73	0.037	0.312	0.43	0.073	0.009	0.828	520	0.004	3.32	7.08	0.0186	0.6	3.79	0.43
MB14*	07-Jun-21	15867210607402	921	0.055	0.63	16.3	0.018	1	0.0063	1.96	0.213	1.63	1230	2.35	<0.50	4.44	0.0658	0.591	0.74	0.131	0.0148	1.76	940	0.0112	0.14	23.1	0.12	2.08	2.87	1.52
MB14	06-Jun-22	15867220606202	296	0.062	0.291	4.58	<0.010	<1.0	0.0155	0.775	0.135	1.63	388	0.798	<0.50	11.5	0.0461	0.43	0.55	0.11	0.0085	0.789	650	<0.0020	0.26	10.1	0.0405	0.68	5.42	0.62
MB14	20-Jun-23	15867230620212	294	0.049	0.26	5.53	<0.010	<1.0	0.0199	0.72	0.153	1.55	383	0.572	<0.50	31	0.0448	0.365	0.47	0.08	0.0072	1.04	590	0.0027	0.33	9.18	0.0341	0.65	5.9	0.57
MB14	27-May-24	15867240527302	292	0.054	0.258	5.13	<0.010	<1.0	0.0148	0.664	0.143	1.53	343	0.633	<0.50	10.3	0.047	0.423	0.47	0.069	0.0078	0.765	---	0.0029	0.36	9.31	0.0354	0.68	4	0.62

TABLE G5

Historical Moss Bag Quality Results - Metals

Veolia

W ½ 06-067-08 W5M

Sample Point	Sample Date	MSI Sample Number	Al mg/kg	Sb mg/kg	As mg/kg	Ba mg/kg	Be mg/kg	B mg/kg	Cd mg/kg	Cr mg/kg	Co mg/kg	Cu mg/kg	Fe mg/kg	Pb mg/kg	Li mg/kg	Mn mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg	Se mg/kg	Ag mg/kg	Sr mg/kg	S mg/kg	Tl mg/kg	Sn mg/kg	Ti mg/kg	U mg/kg	V mg/kg	Zn mg/kg	Zr mg/kg
Zone 2																													
MB19	29-May-19	15867190529405	193	0.072	0.184	4.62	<0.010	<1.0	0.0109	0.562	0.107	0.74	379	2.38	<0.50	50.3	0.0298	0.323	0.4	0.064	0.0079	1.07	570	0.0035	2.84	5.94	0.0154	0.49	4.61	0.42
MB19*	09-Jun-21	15867210609414	790	0.049	0.562	14.1	0.015	1.5	0.021	2.04	0.198	2.63	832	2.79	<0.50	74	0.0671	0.69	0.89	0.124	0.0154	2.42	940	0.0097	<0.10	15.6	0.113	1.91	9.79	1.35
MB19	06-Jun-22	15867220606206	269	0.062	0.264	5.52	<0.010	<1.0	0.0195	0.706	0.158	1.76	354	0.647	<0.50	19.2	0.0498	0.449	0.53	0.086	0.0085	1	640	0.0023	0.68	9.75	0.0347	0.59	5.79	0.63
MB19	21-Jun-23	15867230621214	342	0.056	0.263	11.3	<0.010	<1.0	0.029	0.885	0.189	1.9	422	0.638	<0.50	128	0.0527	0.425	0.77	0.077	0.01	3.07	740	0.0044	0.21	9.8	0.0381	0.76	10.4	0.58
MB19	28-May-24	15867240528307	263	0.046	0.243	5.34	<0.010	<1.0	0.0134	0.643	0.12	1.4	293	0.518	<0.50	8.09	0.0379	0.358	0.4	0.062	0.0077	0.679	---	0.0025	0.22	8.21	0.0291	0.58	6.39	0.54
MB20	31-May-19	15867190531417	206	0.069	0.191	3.54	<0.010	<1.0	0.008	0.5	0.094	0.87	428	2.43	<0.50	23.7	0.0369	0.319	0.39	0.066	0.0076	0.619	540	0.0034	3.02	6.01	0.0146	0.52	3.38	0.38
MB20*	08-Jun-21	15867210608407	708	0.044	0.519	12.5	0.016	<1.0	0.0076	1.5	0.192	1.87	731	2.86	<0.50	5.63	0.0605	0.56	0.71	0.116	0.0121	1.41	840	0.008	<0.10	16.8	0.11	1.91	2.26	0.95
MB20	07-Jun-22	15867220607208	249	0.058	0.263	5.05	<0.010	<1.0	0.018	0.6	0.167	1.77	338	0.669	<0.50	13.5	0.048	0.494	0.5	0.089	0.007	0.821	610	<0.0020	0.42	8.95	0.0352	0.55	5.36	0.56
MB20	20-Jun-23	15867230620211	267	0.049	0.229	6.04	<0.010	<1.0	0.0269	0.588	0.175	1.64	357	0.581	<0.50	30.8	0.0453	0.413	0.46	0.066	0.0075	1.01	710	0.0025	0.14	8.11	0.0296	0.58	6.42	0.49
MB20	30-May-24	15867240529316	333	0.056	0.269	6.2	<0.010	<1.0	0.0224	0.813	0.14	2.34	412	0.857	<0.50	11.5	0.0497	0.471	0.6	0.083	0.0097	1.14	---	0.0033	0.28	10.1	0.0464	0.76	9.01	0.78
MB22	31-May-19	15867190531415	191	0.053	0.188	3.23	<0.010	<1.0	0.0075	0.434	0.09	0.63	401	2.67	<0.50	19.5	0.0384	0.348	0.35	0.067	0.0071	0.585	570	0.0027	3.62	5.54	0.0157	0.49	2.3	0.4
MB22*	08-Jun-21	15867210608408	927	0.061	0.6	12.8	0.017	1.2	0.0206	1.87	0.22	1.82	944	2.6	<0.50	58.4	0.0729	0.616	0.78	0.134	0.0174	2.1	940	0.0102	<0.10	21	0.132	2.13	5.1	1.2
MB22	07-Jun-22	15867220607209	275	0.069	0.271	5.38	<0.010	1	0.0212	0.686	0.164	1.74	368	0.721	<0.50	39.4	0.0534	0.421	0.58	0.084	0.0112	1.03	660	0.0024	2.3	8.99	0.0354	0.61	5.89	0.62
MB22	30-May-24	15867240529317	284	0.055	0.236	6.38	<0.010	<1.0	0.0311	0.56	0.161	1.68	361	0.757	<0.50	37.9	0.0536	0.371	0.53	0.081	0.0089	1.32	---	0.004	0.16	9.77	0.0372	0.64	6.98	0.74
MB24	29-May-19	15867190529407	216	0.052	0.188	4.75	<0.010	<1.0	0.0094	0.47	0.107	0.73	383	2.98	<0.50	49.2	0.0314	0.316	0.45	0.069	0.0068	1.12	550	0.0034	2.51	6.26	0.0162	0.52	3.36	0.38
MB24*	07-Jun-21	15867210607401	1010	0.05	0.658	11.8	0.018	0.022	0.0073	2.29	0.214	1.94	1160	2.72	<0.50	5.73	0.0765	0.763	0.8	0.142	0.0178	1.75	1120	0.011	0.11	26	0.151	2.31	2.67	1.55
MB24	06-Jun-22	15867220606201	309	0.066	0.272	5.48	<0.010	<1.0	0.0222	0.735	0.172	1.73	413	0.812	<0.50	17	0.0498	0.45	0.57	0.104	0.0079	1.08	690	0.0025	0.22	10.9	0.0398	0.7	6.12	0.76
MB24	21-Jun-23	15867230621215	295	0.056	0.266	5.73	<0.010	<1.0	0.0369	0.714	0.16	1.63	375	0.643	<0.50	16.9	0.0446	0.401	0.46	0.075	0.0087	0.934	670	0.0028	0.15	8.34	0.0355	0.64	5.99	0.54
MB24	27-May-24	15867240527301	341	0.056	0.266	5.85	<0.010	<1.0	0.0187	0.65	0.134	1.78	386	0.656	<0.50	36	0.0519	0.407	0.55	0.082	0.0104	1.14	---	0.0037	0.98	10.6	0.0391	0.73	6.67	0.72
MB26	29-May-19	15867190529403	196	0.039	0.191	3.08	<0.010	<1.0	0.0098	0.445	0.094	0.72	382	2.79	<0.50	14.6	0.0359	0.323	0.36	0.068	0.0065	0.537	570	0.0029	3.73	5.77	0.0161	0.49	2.63	0.38
MB26*	09-Jun-21	15867210609413	743	0.051	0.51	11	0.015	<1.0	0.0107	1.59	0.202	1.74	838	2.2	<0.50	11.3	0.0606	0.723	0.67	0.111	0.0121	1.57	870	0.0083	<0.10	14.4	0.105	1.67	3.14	1.11
MB26	06-Jun-22	15867220606205	282	0.06	0.257	4.98	<0.010	<1.0	0.0191	0.611	0.148	1.65	377	0.627	<0.50	48.2	0.0529	0.451	0.51	0.074	0.0065	0.978	660	0.003	0.26	9.69	0.0362	0.62	6	0.55
MB26	29-May-24	15867240529309	309	0.062	0.264	5.08	<0.010	<1.0	0.0153	0.64	0.136	1.7	376	0.657	<0.50	18.7	0.0558	0.5	0.48	0.072	0.0097	0.828	---	0.0035	0.52	9.82	0.0369	0.7	6.27	0.66
MB50	29-May-19	15867190529402	232	0.039	0.183	4.44	<0.010	<1.0	0.0101	0.508	0.106	0.86	452	2.29	<0.50	89.7	0.0344	0.362	0.41	0.069	0.0066	1.22	560	0.0031	2.88	7.03	0.0171	0.56	3.6	0.41
MB50*	09-Jun-21	15867210609412	692	0.049	0.487	10.3	0.013	<1.0	0.007	1.47	0.174	1.67	833	2.33	<0.50	5.56	0.0638	0.779	0.6	0.11	0.0128	1.35	940	0.0073	<0.10	16.9	0.102	1.66	2.24	1.14
MB50	06-Jun-22	15867220606204	320	0.067	0.277	5.34	<0.010	<1.0	0.0193	0.677	0.193	1.81	412	0.723	<0.50	12.2	0.056	0.443	0.58	0.107	0.0065	1.09	660	0.0021	0.63	11.3	0.039	0.71	5.82	0.66
MB50	21-Jun-23	15867230621213	314	0.053	0.274	6.53	<0.010	<1.0	0.0235	0.865	0.167	1.67	379	0.614	<0.50	21	0.0445	0.399	0.49	0.079	0.0076	1.12	680	0.003	0.3	9.14	0.0357	0.67	8.16	0.56
MB50	28-May-24	15867240528308	280	0.057	0.232	6.49	<0.010	<1.0	0.0244	0.519	0.19	1.9	343	0.709	<0.50	29.1	0.0518	0.474	0.5	0.07	0.01	1.24	---	0.0033	0.72	8.84	0.0367	0.62	7.16	0.76
MB71	01-Jun-19	15867190601429	212	0.041	0.197	5.25	<0.010	<1.0	0.0115	0.474	0.124	0.66	421	2.16	<0.50	43.5	0.0355	0.338	0.41	0.068	0.0067	1.27	560	0.0033	3.27	6.11	0.0177	0.54	3.67	0.43
MB71*	09-Jun-21	15867210609415	840	0.037	0.526	9.18	0.014	<1.0	0.0052	1.77	0.178	1.12	843	1.28	<0.50	8.24	0.0492	0.521	0.57	0.111	0.0164	1.37	730	0.0086	<0.10	16.2	0.0989	1.77	1.93	1.66
MB71	06-Jun-22	15867220606207	414	0.071	0.304	31.2	0.027	1.3	0.0827	0.767	0.555	1.54	479	0.808	<0.50	113	0.0469	0.489	1.09	0.116	0.0087	32.3	740	0.0035	1.22	11.5	0.138	0.76	12	0.81
MB71	19-Jun-23	15867230619210	286	0.058	0.272	7.54	<0.010	<1.0	0.027	0.637	0.175	1.68	375	0.581	<0.50	38.8	0.0498	0.429	0.48	0.074	0.0174	1.58	660	0.0029	0.36	9.65	0.0361	0.61	6.91	0.63
MB71	30-May-24	15867240529318	244	0.051	0.244	7.5	<0.010	<1.0	0.0206	0.554	0.157	1.64	330	0.714	<0.50	21.6	0.0495	0.44	0.44	0.074	0.0083	1.36	---	0.0028	<0.10	8.7	0.0332	0.56	5.71	0.68
Fenceline Monitoring Sites																													
Site 1	08-Jun-22	15867220608214	322	0.131	0.382	8.24	0.011	<1.0	0.0727	0.974	0.27	3.03	476	2.1	<0.50	18.3	0.509	0.512	0.79	0.094	0.0178	1.73	690	0.0053	0.78	12.5	0.0422	0.83	66.7	0.79
Site 1	19-Jun-23	15867230619205	361	0.096	0.309	8.27	0.01	<1.0	0.0605	0.814	0.225	2.44	466	1.3	<0.50	20.2	0.072	0.455	0.67	0.071	0.014	1.48	670	0.0048	0.3	11.4	0.0404	0.84	63.4	0.66
Site 1	29-May-24	15867240529310	262	0.096	0.308	6.05	<0.010	<1.0	0.0345	0.673	0.227	2.08	408	1.38	<0.50	12.9	0.0538	0.452	0.54	0.078	0.0108	1.1	---	0.0034	0.27	7.79	0.0314	0.61	29.5	0.58
Site 5	07-Jun-22	15867220607211	361	0.14	0.648	9.4	0.015	1.2	0.258	1.7	0.307	3.78	663	2.81	<0.50	20	0.0861	0.663	1.24	0.103	0.0291	1.97	690	0.008	1.07	17	0.0548	0.97	27.2	1.09
Site 5	19-Jun-23	15867230619206	403	0.089	0.432	8.65	0.013	<1.0	0.0503	1.04	0.29	3.5	694	1.6	<0.50	20.3	0.0805	0.532	1.01	0.09	0.0161	1.62	650	0.0066	0.23	14.9	0.0488	1.03	37.2	0.77
Site 5	29-May-24	15867240529312	287	0.068	0.342	6.26	<0.010	<1.0	0.032	0.777	0.206	2.37	406	1.22	<0.50	14.6	0.0543	0.52	0.7	0.072	0.014	1.19	---	0.0038	0.29	9.52	0.041	0.7	21.6	0.74
Site 9	08-Jun-22	15867220608215	539	0.455	1.23	20.3	0.017	2.2	0.202	2.33	0.427	15.9	850	14.1	<0.50	21.1	0.183	2.44	1.56	0.137	0.0724	3.03	920	0.0162	2.36	31	0.0586	1.38	131	1.09
Site 9	19-Jun-23	15867230619204	472	0.275	0.66	16	0.014	<1.0	0.151	1.58	0.337	9.85	690	10.3	<0.50	20	0.135	2.62	1.17	0.109	0.0703	2.44	620	0.0096	0.96	20.7	0.0518	1.16	92.6	0.83
Site 9	29-May-24	15867240529311	398	0.179	0.76	11.4	0.012	1.4	0.113	1.22	0.348	8.99	615	5.44	<0.50	18.2	0.0677	0.713	1.04	0.097	0.032	1.84	---	0.0173	0.64	14.7	0.0446	0.99	53.1	0.88

*Batch of acid washed moss deployed in 2020 and collected in June 2021 had higher baseline metals levels.then other batches used in the program since 2019

APPENDIX H
Lichen Photographs

Lichen Sub-site 1-1

Lichen Sub-site 1-2

Lichen Sub-site 1-3

Lichen Sub-site 2-1

Lichen Sub-site 2-2

Lichen Sub-site 2-3

Lichen Sub-site 4-1

Lichen Sub-site 4-2

Lichen Sub-site 4-3

Lichen Sub-site 5-1

Lichen Sub-site 5-2

Lichen Sub-site 5-3

Lichen Sub-site 9-1

Lichen Sub-site 9-2

Lichen Sub-site 9-3

Lichen Sub-site 11-1

Lichen Sub-site 11-2

Lichen Sub-site 11-3

Lichen Sub-site 14-1

Lichen Sub-site 14-2

Lichen Sub-site 14-3

Lichen Sub-site 15-1

Lichen Sub-site 15-2

Lichen Sub-site 15-3

Lichen Sub-site 19-1

Lichen Sub-site 19-2

Lichen Sub-site 19-3

Lichen Sub-site 20-1

Lichen Sub-site 20-2

Lichen Sub-site 20-3

Lichen Sub-site 24-1

Lichen Sub-site 24-2

Lichen Sub-site 24-3

Lichen Sub-site 26-1

Lichen Sub-site 26-2

Lichen Sub-site 26-3

Lichen Sub-site 50-1

Lichen Sub-site 50-2

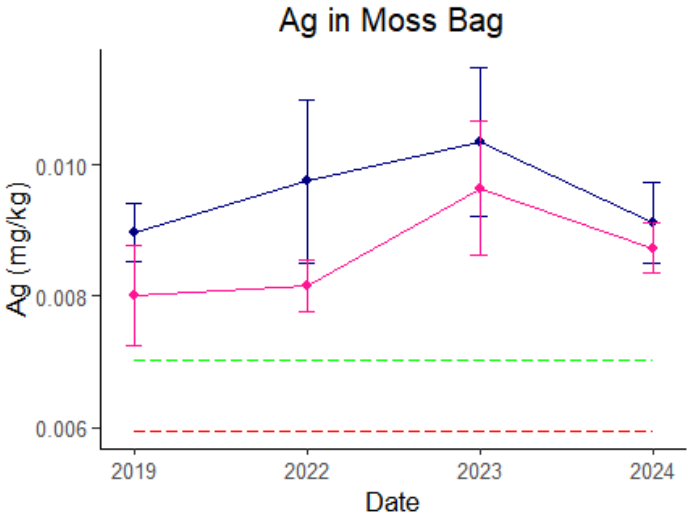
Lichen Sub-site 50-3

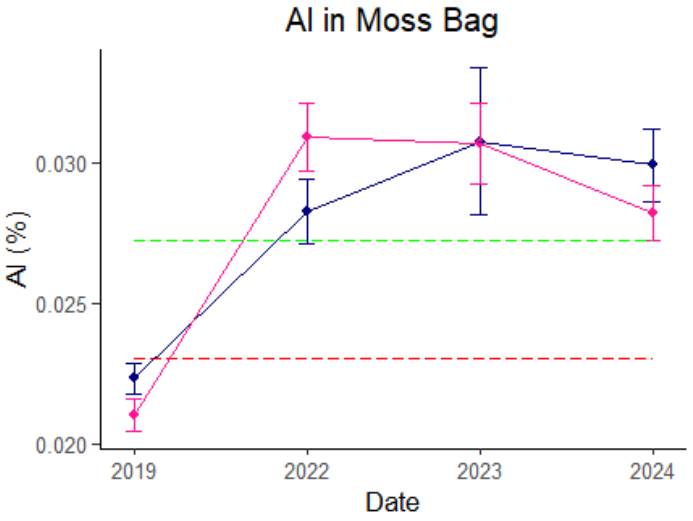
Lichen Sub-site 71-1

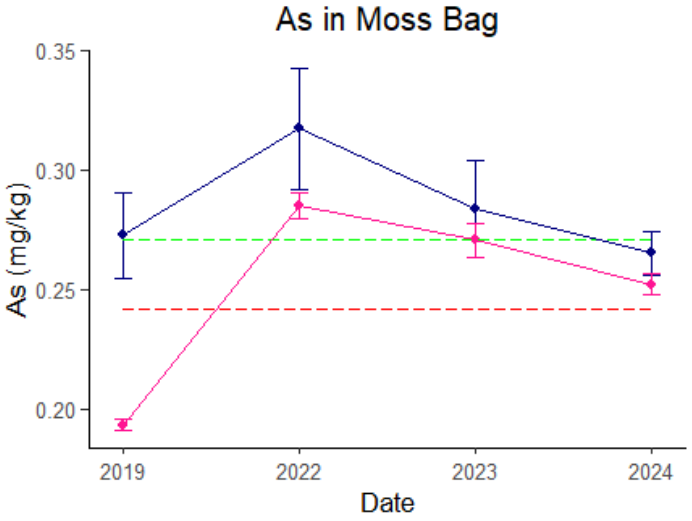
Lichen Sub-site 71-2

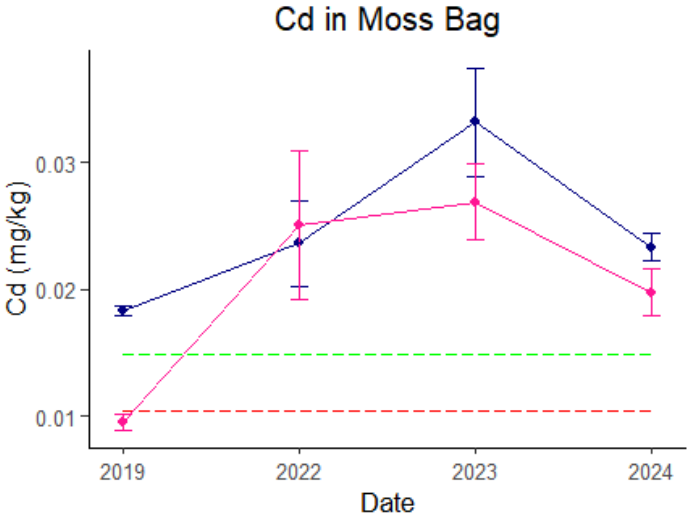
Lichen Sub-site 71-3

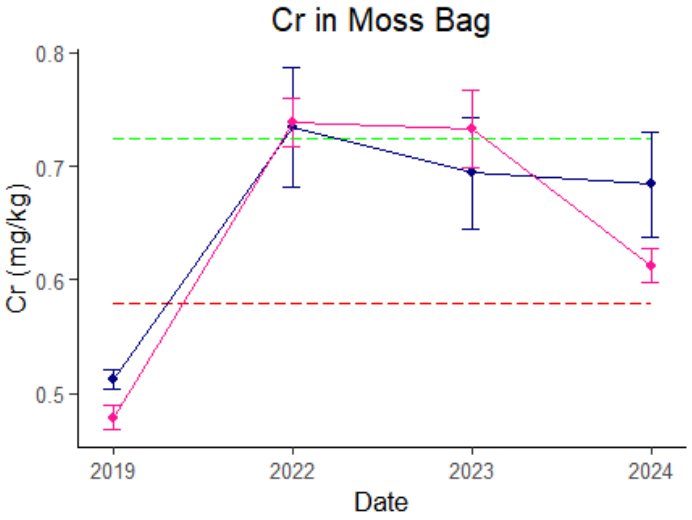
APPENDIX I
Moss Graph Bags

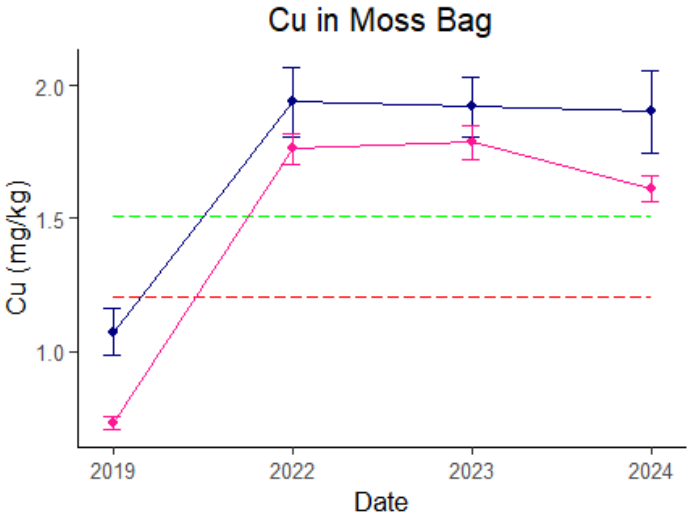












Zone 1 Mean ± SE

Zone 2 Mean ± SE

25th Percentile Historical Concentration Unexposed Moss

75th Percentile Historical Concentration Unexposed Moss

MONTROSE ENVIRONMENTAL

SUEZ – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mean Metal Concentration Moss Bags

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	J. Rich

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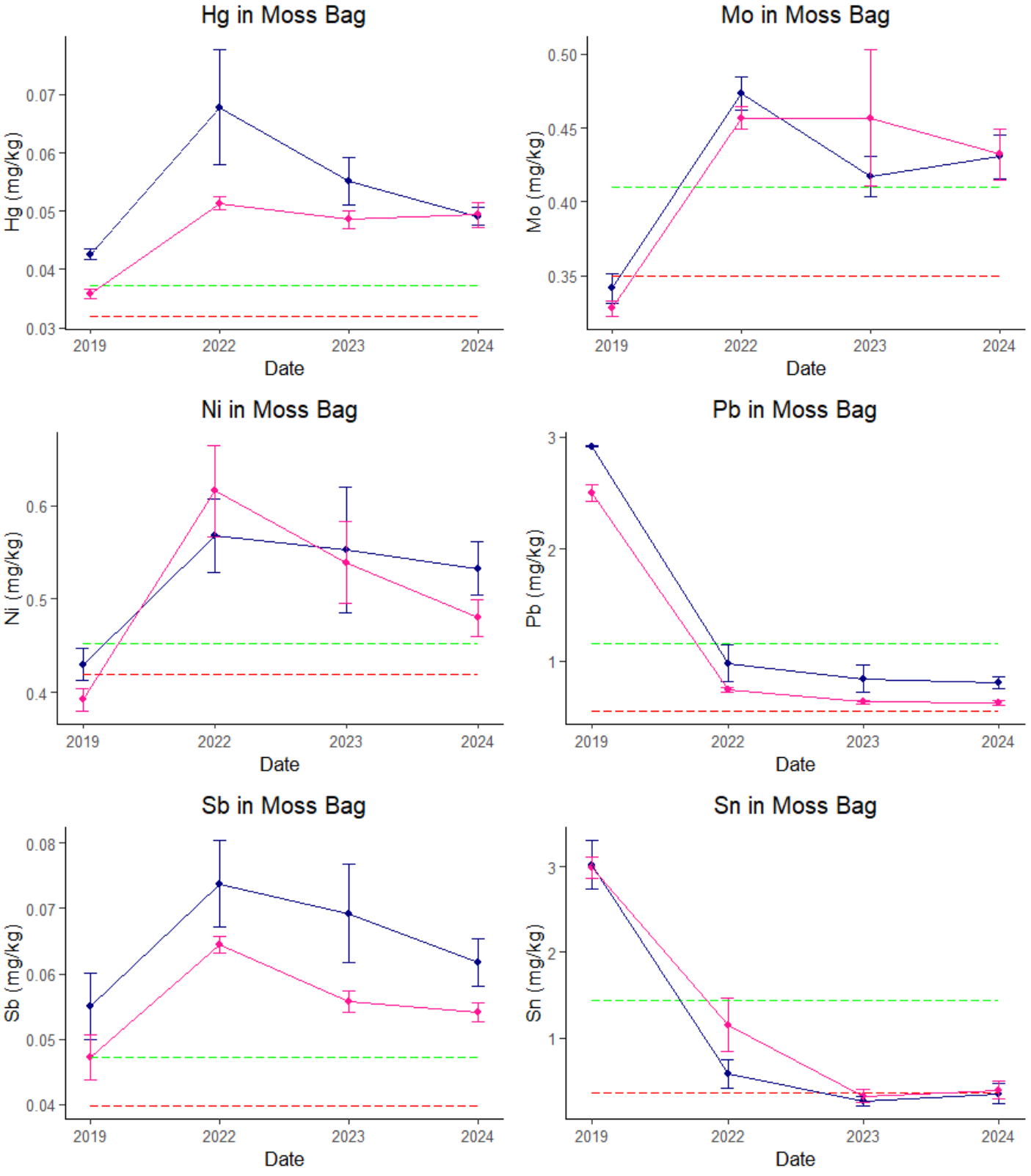
Figure I.1



Zone 1 Mean ± SE

Zone 2 Mean ± SE

25th Percentile Historical Concentration Unexposed Moss

75th Percentile Historical Concentration Unexposed Moss

MONTROSE ENVIRONMENTAL

SUEZ – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mean Metal Concentration Moss Bags

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	J. Rich

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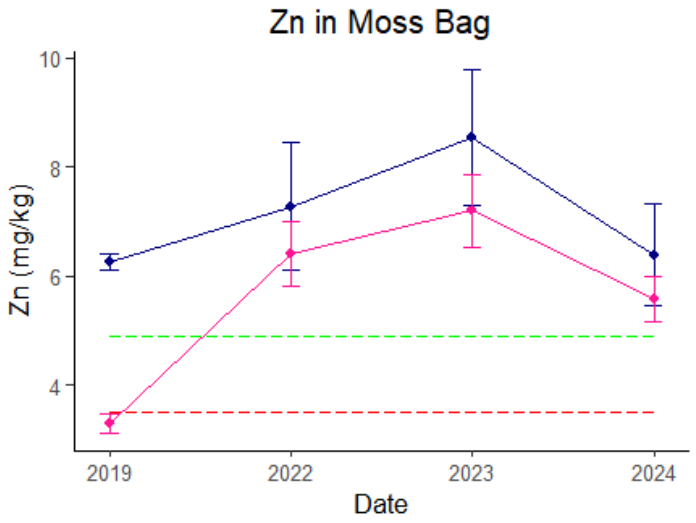
Figure I.2



Zone 1 Mean ± SE

Zone 2 Mean ± SE

25th Percentile Historical Concentration Unexposed Moss

75th Percentile Historical Concentration Unexposed Moss

MONTROSE ENVIRONMENTAL

SUEZ – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Mean Metal Concentration Moss Bags

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	J. Rich

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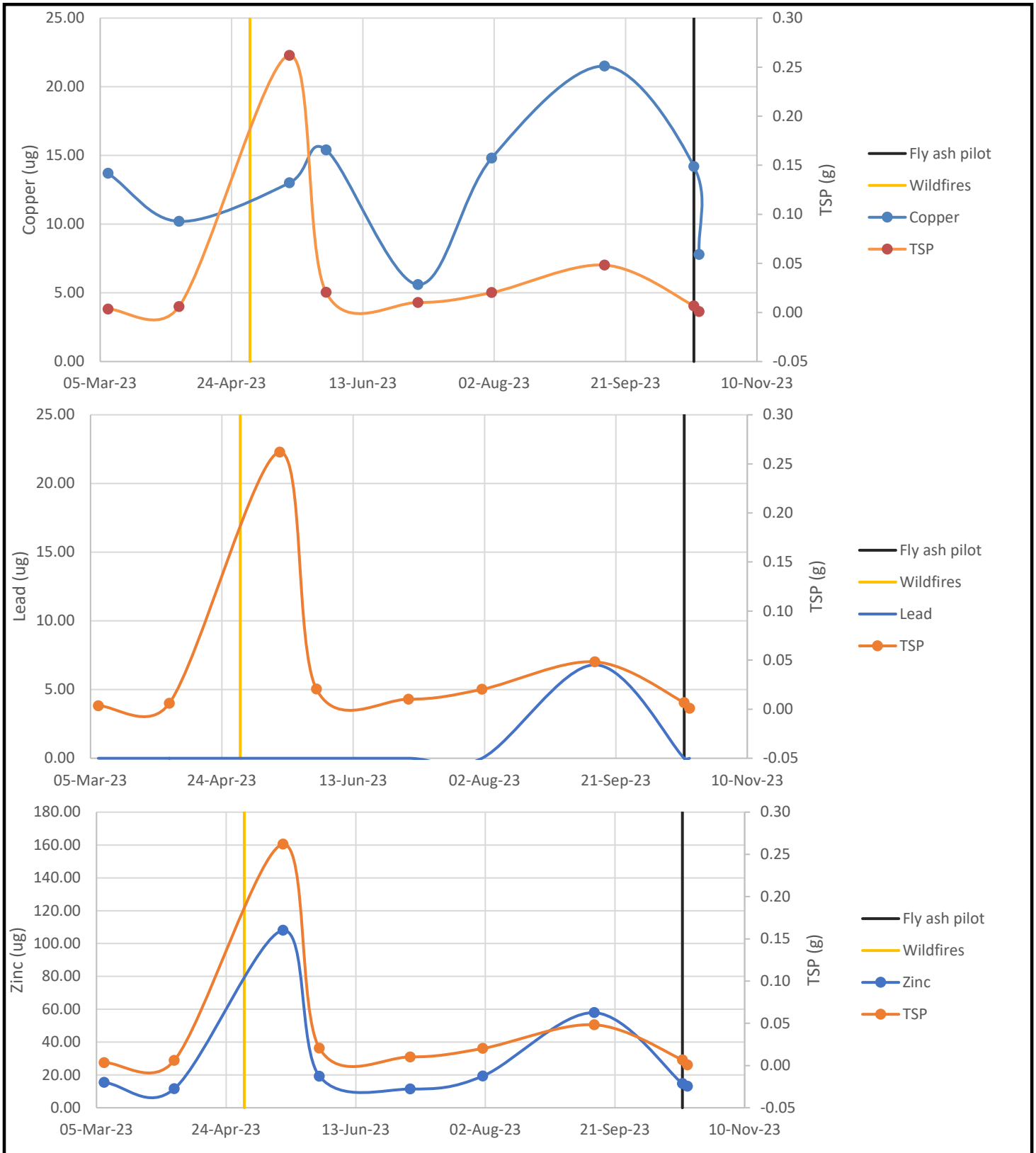
Figure **I.3**

APPENDIX J
TSP Metals Graphs



MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Site 1 – Metals in TSP (ug)

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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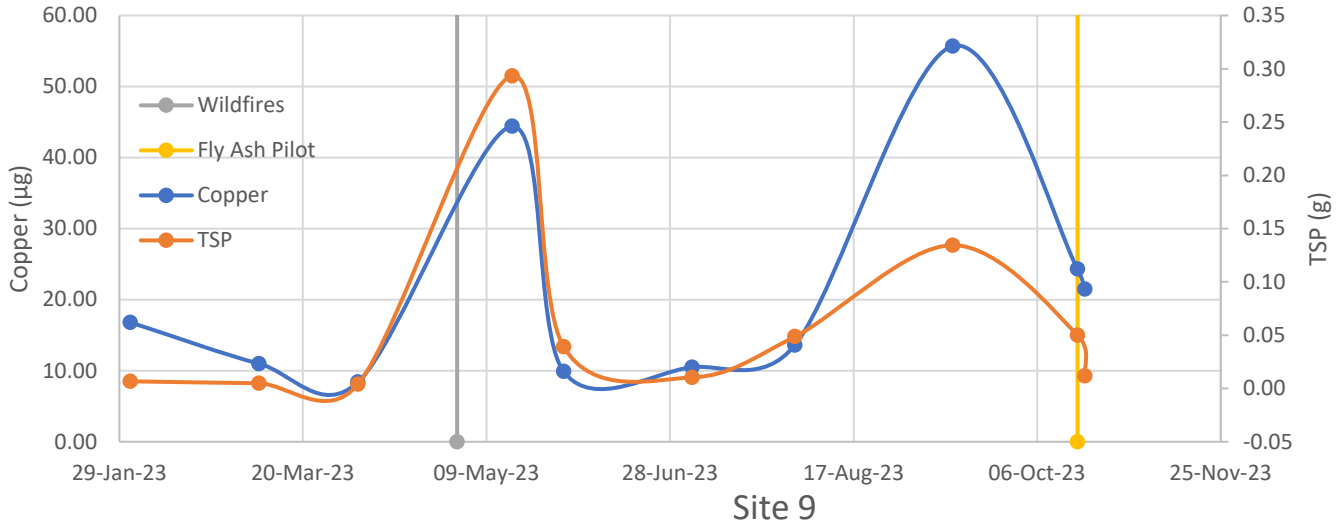
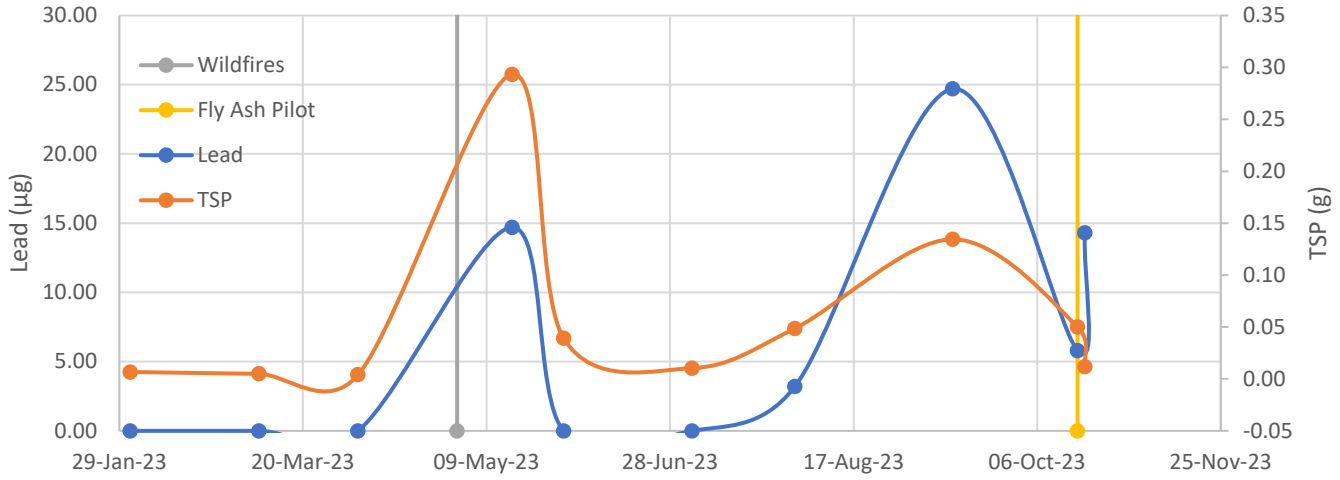
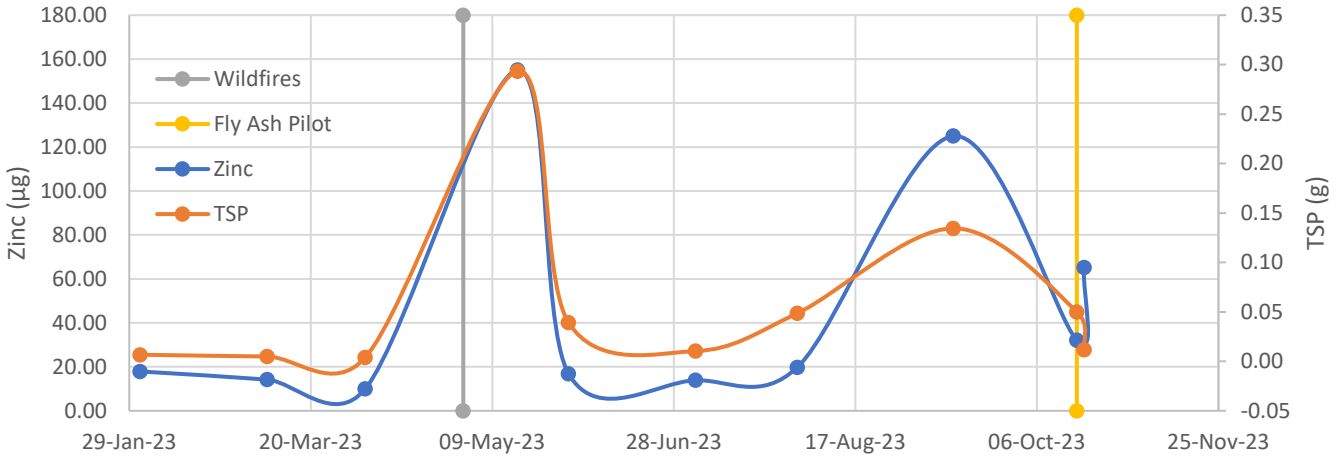
Figure J.1



Site 9





MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Site 9 – Metals in TSP (ug)

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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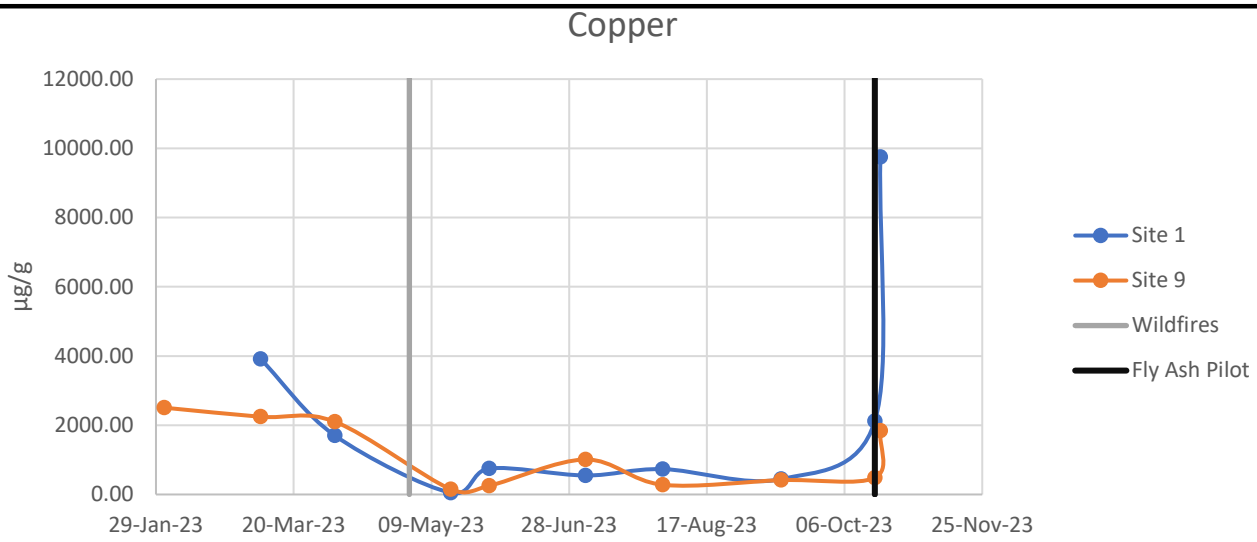
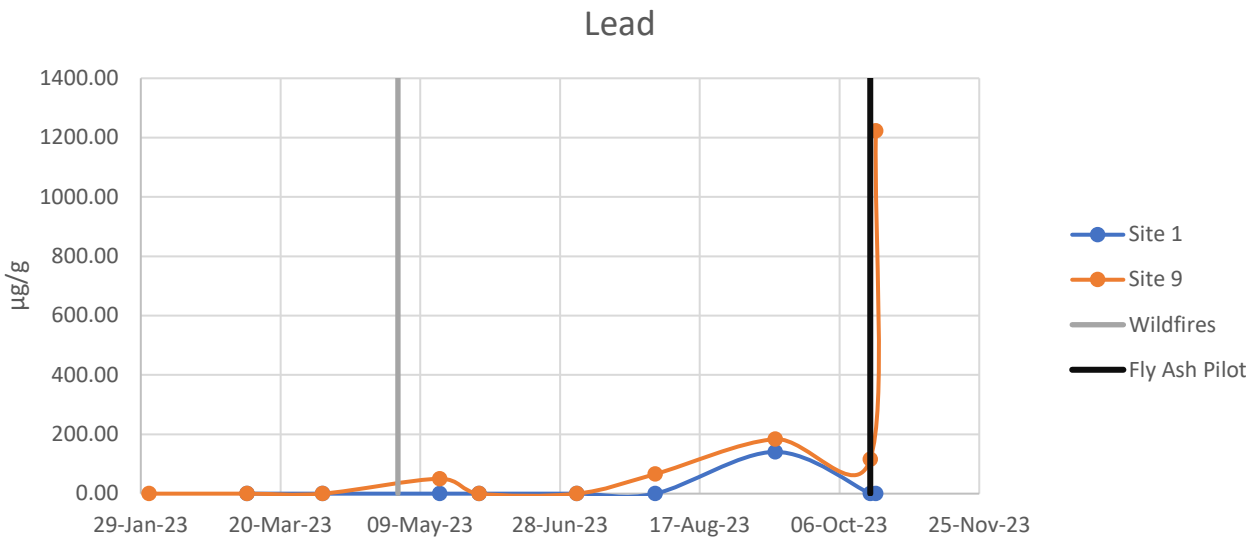
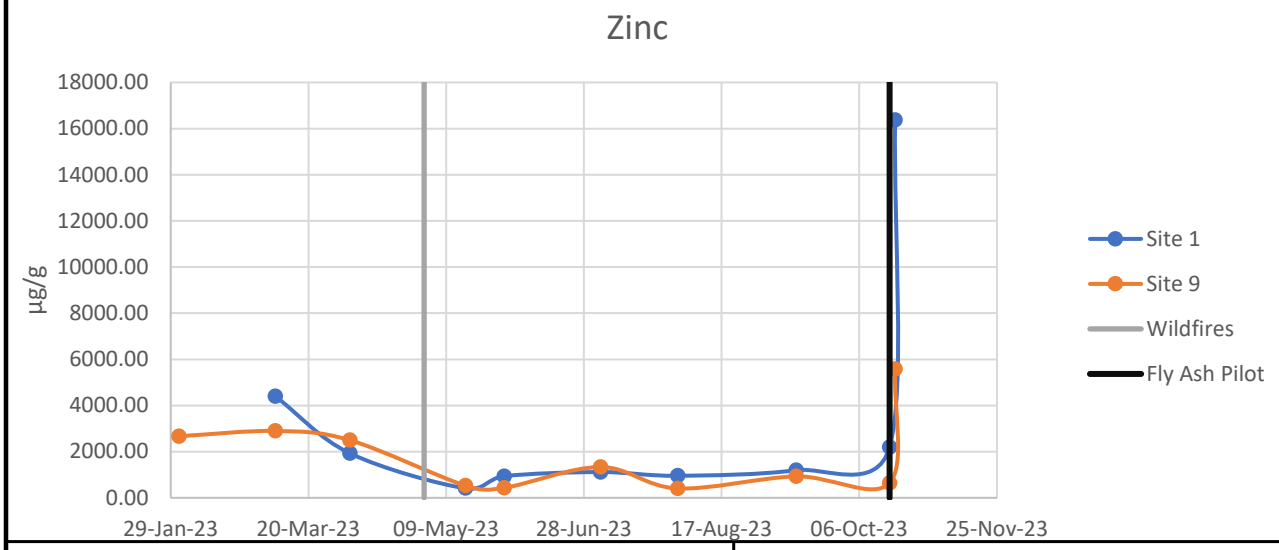
Figure J.2







MONTROSE ENVIRONMENTAL

VEOLIA – Swan Hills Treatment Centre
Soil and Vegetation Monitoring Program

Sites 1 and 9 – Metals in TSP (ug/g)

Date:	Project:	Technical:	Reviewer:	Drawn:
Sept. 30, 2024	15867-503	C. Ayer	L. Oiffer	C. Ayer

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Figure J.3

APPENDIX K
Data Quality Evaluation Procedure

APPENDIX K

DATA QUALITY EVALUATION PROCEDURE

1 INTRODUCTION

The analytical data received from laboratories is used to monitor soil, sediment, and water quality. This data is critical for decision-making and recommendations for Montrose Environmental Solutions Inc. (Montrose) projects. To verify that data obtained is of appropriate quality, the Environmental Data Services (EDS) group performs a number of quality assurance/quality control (QA/QC) verifications. A description of these measures and subsequent criteria for evaluation are detailed in this document.

2 QUALITY CONTROL MEASURES

The QA/QC verification includes submission of blind samples, field and trip blanks; duplicate samples; historical comparisons, and a review of the laboratory's QA report that is included with the results. Details outlining the purpose and specific evaluation tools associated with the EDS data quality verification process are outlined below.

2.1 Blind Samples

Samples collected by Montrose are assigned a unique sample number and are submitted to the laboratory as a blind sample using this number for identification. This ensures that the sample location cannot be identified by the laboratory and results cannot be biased. The sample number follows Montrose's sample naming protocol of SITE#YYMMDDXXX, where SITE# is a five-digit project code, YYMMDD is the sampling date, and XXX is a three-digit number indicating the sample number for that date. Example: 01234141006001 is the first sample collected for Project 1234 on October 6, 2014. All samples, including QC samples, are given these blind sample numbers.

2.2 Duplicate Samples

Results obtained from duplicate sample analysis are used to monitor the reproducibility (precision) and the expected variability of the sampling method and laboratory analysis. Two samples are collected from the same field location using the same equipment at the same time. The duplicate samples are submitted as blind samples to the laboratory and are typically not given sequential unique sample numbers.

2.3 Field Blanks

Results obtained from the analysis of field blanks are used to measure incidental or accidental sample contamination (i.e., artifacts or analytes detected by analysis but not present in the samples).

2.4 Trip Blanks

Results obtained from the analysis of trip blanks are used to determine whether or not cross-contamination of volatile organic compounds (or other contaminants) has been introduced to the actual samples during sample transportation.

3 EVALUATION CRITERIA FOR QUALITY CONTROL MEASURES

The Montrose EDS group provides the initial review of all analytical data that is received from the laboratory. Results of the QC review are summarized electronically on the *Data Quality Checklist* that is saved along with the report of laboratory results. Evaluation criteria for the QC measures are provided in the following subsections.

3.1 Evaluation of Duplicate Sample Results

The criteria for evaluation of the field duplicate samples take into account the detection limit (DL), the reliable detection limit (RDL; 5 times the DL), the absolute difference between the duplicate values, and/or the relative percent difference (RPD) calculated for each set of duplicate parameter analyses (U.S. EPA 1993, 1992; Zeiner 1994). As well, the criteria take into consideration the matrix of the sample and the concentration of the specific parameter (Zeiner 1994). Three data scenarios require different methods of evaluation.

For each set of duplicate parameter results:

Scenario 1 - if both results are < DL

- The duplicate samples cannot be assessed using absolute difference or RPD; however, the duplicate samples show acceptable precision (both duplicate samples displayed no results above the DL).

Scenario 2 - if one result is non-detected (< DL) and the other result is positive (> DL)

- The duplicates show acceptable precision if the positive result is ≤ 2 × RDL.

Scenario 3 - if both results are > DL

- If both results are < RDL, then the duplicates show acceptable precision.
- If one result is < RDL and the other result is > RDL, then the duplicates show acceptable precision if the absolute difference between results is ≤ 2 × RDL.
- If both results are > RDL, then reproducibility is acceptable if the RPD is:

  a) ≤ 30% for inorganic waters
  b) ≤ 40% for solids and organics

The results of the field duplicate sample analyses are indicated on the *Data Quality Checklist* and the results of the duplicate analyses are summarized on a project-specific QC sample results table.

The RPD is calculated as follows (APHA 1998):

$$RPD = \frac{Absolute\ difference\ \ between\ the\ two\ duplicate\ results}{Mean\ of\ \ the\ two\ duplicate\ results} \times 100$$

3.2 Evaluation of Blank Sample Results

Upon receipt of the results, the EDS group checks the concentrations of the analytes of interest in field and trip blanks to ensure that no parameters are measured at > 2 × DL. Results of the data review are indicated on the *Data Quality Checklist* and summarized on a project-specific QC sample results table.

3.3 Evaluation of Laboratory Quality Control

The approved environmental laboratories used by Montrose have put QC measures in place to ensure that the data released is as accurate and precise as possible. These measures include the use of laboratory blank samples, duplicate samples, spiked samples, and measuring surrogate recoveries.

Upon receipt of the analytical report, the EDS group checks to ensure that the data has passed the laboratory's QC measures for blanks, duplicates, spikes, and surrogate recoveries. If a discrepancy is found, the laboratory is contacted and asked to explain the discrepancy and, if necessary, a recheck of the result is requested, or all of the samples are reanalyzed for the parameter of concern. The EDS group also reviews holding time, extraction time, detection limits, and ion balances. Results of this evaluation are indicated on the *Data Quality Checklist* for each batch of samples analyzed.

3.3.1 Holding Time

Holding time is the maximum amount of time that a sample can be stored before analysis. The date that a sample was analyzed or extracted is noted on the report from the laboratory; the EDS group checks to ensure that samples were analyzed or extracted within the holding time appropriate for that parameter. Data review results are indicated on the *Data Quality Checklist* for each batch of samples analyzed.

3.3.1 Extraction Time

Extraction time is the maximum amount of time that a sample can be stored before extraction, measured from the sample collection date. Extraction time for:

- organics in water is 14 days
- volatile organics in soil is 7 days
- semi-volatile organics in soil is 14 days

3.3.2 Detection Limits

The EDS group checks to ensure that the DLs reported by the laboratory are adequate to meet the applicable assessment guidelines defined for the project. DLs for a parameter should not be greater than the applicable guideline value for that parameter. If any DLs are found to be higher than the applicable guideline, a second analysis may be requested at the discretion of the project manager.

3.4 Historical Comparison of Data

The EDS group compares laboratory results from a sample point to historical parameter levels, wherever possible. Significant changes from historical levels are identified and verification of the data obtained from the laboratory (rechecks) may be requested.

4 REFERENCES

American Public Health Association (APHA). 1998. *Standard Methods for the Examination of Water and Wastewater*. 20th Edition. American Public Health Association. Washington, DC, USA. 1998.

United States Environmental Protection Agency (U.S. EPA). 1993. *Region III Modifications to the Laboratory Data Validation Functional Guidelines for Evaluating Inorganic Analyses*. Cincinnati, Ohio. 1993.

United States Environmental Protection Agency (U.S. EPA). 1992. *Region III Modifications to National Functional Guidelines for Organic Data Review Multi-media, Multi-concentration*. Cincinnati, Ohio. 1992.

Zeiner S.T. 1994. "Realistic criteria for the evaluation of field duplicate sample results." In: *Superfund XV*. Conference Proceedings. November 29 to December 1, 1994. Washington, DC, USA. 1994.