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North End Water Pollution Control
Centre - Stockpile Characterization**Project Reference**
60705950

Environmental Soil Analysis of Stockpiles at Chief Peguis Trail right-of-way (CPT ROW), North End Water Pollution Control Centre, Winnipeg, Manitoba

1. Introduction

The City of Winnipeg (the City) retained AECOM Canada ULC (AECOM) to complete stockpile soil sampling at the North End Water Pollution Control Centre (NEWPCC) to characterize three stockpiles (SP25-1, SP25-2, and SP25-3), located within the Chief Peguis Trail right-of-way (CPT ROW) at 2230 Main Street in Winnipeg, Manitoba (the Site). Composite soil samples were collected from stockpiles to understand if stockpiles could be used as a suitable backfill source. The Site Plan is shown on **Figure 1**.

This letter summarizes the soil results from the stockpile soil samples collected from the Site on July 22, 2025.

2. Soil Quality Guidelines

The Province of Manitoba currently references documents from the Canadian Council of Ministers of the Environment (CCME) and Ontario Ministry of the Environment (Ontario MOE) as Primary and Secondary standards under the *Contaminated Sites Remediation (CSR) Act*. The applicable standards are summarized below.

Primary standards:

- Canadian Environmental Quality Guidelines (CEQG), Canadian Council of Ministers of the Environment (CCME, 2025).
- Canada-Wide Standards (CWS) for Petroleum Hydrocarbons (PHC) in Soil, CCME (CCME) (2008)

Secondary standard:

- Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ontario Ministry of the Environment, April 15, 2011.

The applicable site-specific factors at the Site for the use of CCME Tier 1 SGQs are described below.

- The Site is zoned as M3 Industrial Land Use (City of Winnipeg, 2025) and industrial land use EQGs have been applied to the Site.
- Soil encountered at the Site consisted of mostly clay in Stockpiles 1 and 2 and silt and clay in Stockpile 3. Therefore, the soil type governing the transport and fate of contaminants in the soil is fine-grained.
- Potable water for the Site and surrounding area is provided by the City of Winnipeg via a piped municipal distribution system fed by Shoal Lake located approximately 145 kilometres southeast of the city. The potable water pathway is not considered applicable to the Site.

- The freshwater aquatic life pathway is considered applicable if contaminants of concern are located within 500 metres (m) of a surface water body (Federal Contaminated Sites Action Plan, 2016). The closest surface water body to the Site is the Red River, which is located approximately 800 m east of the Site and the freshwater aquatic life pathway is not considered applicable to the Site.
- As adopted by MECC, soil quality guidelines for benzene use a lifetime incremental cancer risk of 10^{-5} for human health exposure.
- Soil samples were also compared to waste disposal ground acceptance criteria to understand potential disposal requirements. The waste disposal ground acceptance criteria are based on the CCME and CWS for PHC in Soil for fine-grained surface soil for industrial land use sites, the environmental health guideline, and the soil contact pathway as outlined in the MECC guidance document Criteria for Acceptance of Contaminated Soil at Waste Disposal Grounds guidance document (MECC, 2016).

3. Methodology

Stockpiles 1 and 2 (SP25-1 and SP25-2) were surveyed by an AECOM surveyor on July 10, 2025, and Stockpile 3 (SP25-3) was surveyed on November 29 and 30, 2023. The estimated volume of soil in SP25-1 is approximately 3,050 cubic metres (m^3), however due to the depressions and vegetation, the estimate may be slightly inflated. SP25-2 located within the treed area, consisted of approximately $12 \times 5 m^3$ stockpiles of clay and silt material, to total approximately $60 m^3$. SP25-3 located along the northwestern border of the CPT ROW had an estimated volume of $2,465 m^3$. Stockpile sampling was conducted by AECOM field staff on July 22, 2025. Sample locations from each of the stockpiles are shown in **Figures 1 and 2**.

3.1 Soil Sampling

The following methods were applied to obtain, screen, and package soil for analytical testing.

- Each of the three stockpiles were sectioned off into a grid pattern, with each cell of the grid representing approximately $200 m^3$ of soil. Five discrete grab samples were collected from various areas within each cell to form one representative composite sample per $200 m^3$ of soil.
- Discrete samples were collected using a shovel and/or hand auger and combined in a plastic bag to be mixed before transferring a composite sample to laboratory provided jars.
- In SP25-1, 16 composite samples were collected, two samples were collected in SP25-2, and 13 samples were collected in SP25-3.
- Sample jars were placed in a cooler with ice to reduce temperature fluctuations prior to delivery. All samples were submitted to ALS Laboratories in Winnipeg, for analysis of petroleum hydrocarbons fraction 1 – 4 (PHC F1-F4), polycyclic aromatic hydrocarbons (PAHs), and metals.
- Two samples from SP25-1 and SP25-3 and one sample from SP25-2 were submitted to the AECOM Geotechnical Laboratory for particle size analysis.
- To prevent cross-contamination, new nitrile gloves were used to collect each soil sample.

3.2 Quality Assurance and Quality Control Program

To confirm that the sampling and analytical data collected was interpretable, defensible, and comparable, a quality assurance (QA) / quality control (QC) program was implemented for the investigation. The QA/QC measures were taken during both the collection and analysis of sampling during the investigation.

QC measures used in the collection, preservation, shipment, and analysis of environmental samples included the following:

- Sampling techniques were performed in accordance with standard written AECOM protocols
- Rigorous field notes were taken during the investigation

- All samples were kept cool prior to shipment to the laboratory
- Samples were assigned unique sample control numbers and transported under chain of custody procedures
- The analytical laboratory had proficiency certification issued by the Canadian Association for Laboratory Accreditation Inc. (CALA) for the specific analyses conducted

Quality assurance measures established for the site assessment included collection of duplicate field samples of all media at the rate of approximately 10%, with preferential analysis of duplicate sample pairs, where appropriate. A duplicate field sample consisted of a second sample collected from the same location as the primary sample and submitted to the analytical laboratory under a separate label such that the analytical laboratory had no prior knowledge that it was a duplicate.

The relative percent difference (RPD) between duplicate sample results was used to assess overall sampling precision and matrix heterogeneity. The RPD is a measure of the variability between two duplicate analyses and is calculated by the following equation:

$$RPD = 100 \times \frac{(x - y)}{\frac{(x + y)}{2}}$$

Where x is the parent sample result and y is the duplicate sample result.

The duplicate field results are considered acceptable if the RPD was less than the alert criteria, which is equivalent to twice the laboratory RPD QC limit. The alert criteria vary based on the analytical parameter, with the alert criteria for soil generally being 60-80% for metals, 100% for BTEX, 60-80% for PHC F1-F4, and 100% for PAHs (CCME, 2016).

Due to the uncertainty of results near the laboratory reportable detection limit (RDL), an alternative check for QA was completed for duplicates that exceeded any alert criterion that was also less than five times the laboratory RDL. This alternative check calculated the difference between the sample and duplicate results, with the results considered acceptable if the difference between the results was less than two times the RDL.

4. Results

A summary of the laboratory results compared to applicable soil quality guidelines is attached in **Tables 1 to 3**, the quality assurance/quality control field duplicate results are attached in **Table 4**, the photographic log is attached in **Appendix A**, and the laboratory Certificate of Analysis (COA) is attached in **Appendix B**. A site map showing the samples which exceeded applicable SQGs is attached as **Figure 2**.

Samples collected from each stockpile area were tested to determine the particle size of the soil in each location to better understand the texture and potential for future use of the soil. Hydrometric testing of the soil was conducted on July 31, 2025. Results from the testing are attached as **Appendix C**.

4.1 Stockpile 1

Stockpile 1 (SP25-1) is located between a NEWPCC Headworks project stockpile and the treed area to the west, with an estimated volume of 3,050 m³. Note the volume estimate may be slightly higher due to vegetation cover and depressions within the stockpile. SP25-1 was separated into 16 quadrants of about 200 m³ each. The soil texture of the stockpile varied within each quadrant but was generally clay with some pockets of silt and/or gravel. Areas of debris (concrete, rebar, plastic, metal) were encountered within the stockpile generally comprising approximately <5-10% of the total area. The stockpile was generally covered by vegetation.

Samples SP25-1-1 to SP25-1-8 and SP25-1-9 to SP25-1-16 were combined to create composite samples SP25-1-1-8 and SP25-1-9-16, respectively for particle size analysis. SP25-1-1-8 had a particle size distribution of 62.6% clay, 33.1% silt, 4.2% sand, and 0.1% sand. SP25-1-9-16 had a particle size distribution of 60.2% clay, 31.5% silt, 7.6% sand, and 0.8% gravel.

Based on the results of the laboratory analyses, one of the soil samples (SP25-1-13) had a chromium concentration of 108 milligrams per kilogram (mg/kg) that exceeded both the applied SQG and Manitoba landfill acceptance criteria for chromium of 87 mg/kg. All 15 other soil samples collected from Stockpile 1 had concentrations of BTEX, PHCs, PAHs, and metal results below applied SQGs or RDLs.

4.2 Stockpile 2

Stockpile 2 (SP25-2) is located within the treed area west of SP25-1. SP25-2 consists of many small stockpiles of similar size (approximately 5 m³ each). One stockpile was surveyed on July 10, 2025, and the total combined volume of soil in that area was estimated by taking the volume of the surveyed stockpile (5 m³) and applying it to the total number of stockpiles. There were approximately 40 total stockpiles in this area (200 m³); 12 of the stockpiles consisted of clay with one larger clay stockpile in the center of the area (60 m³), approximately 25 of the stockpiles consisted of sand with gravel (125 m³), and approximately three stockpiles consisted of gravel with sand and silt (15 m³). The stockpiles consisting of sand and gravel were generally observed along the border of the treed area and the clay stockpiles were generally observed within the center of the treed area. Samples were only collected from the stockpiles consisting of mostly clay and no samples were collected from the sand or gravel stockpiles. The stockpiles where samples were collected were marked with a stake.

Samples SP25-2-1 and SP25-2-2 were combined to create composite sample SP25-2 for particle size analysis. SP25-2 had a particle size distribution of 49.1% clay, 45.8% silt, 4.5% sand, and 0.6% gravel.

Based on the results of the laboratory analyses, both soil samples SP25-2-1 and SP25-2-2 had concentrations of BTEX, PHCs, PAHs, and metals below applied SQGs or RDLs.

4.3 Stockpile 3

SP25-3 is located in the northwest corner of the Site and runs west to east along the fences of the residential houses bordering the stockpile to the north on Wisteria Way. SP25-3 was surveyed on November 29 and 30, 2023 and the estimated volume is 2,465 m³. The stockpile was separated into 13 quadrants of about 200 m³ each. The soil texture of the stockpile varied within each quadrant but was generally silt with some pockets of clay and/or gravel. Areas of debris (concrete, rebar, plastic, metal) were encountered within the stockpile generally comprising approximately <5% of the total area. The stockpile was generally covered by vegetation.

Samples SP25-3-1 to SP25-3-7 and SP25-3-8 to SP25-3-13 were combined to create composite samples SP25-3-1-7 and SP25-3-8-13, respectively. SP25-3-1-7 had a particle size distribution of 62.7% silt, 26.7% clay, 10.1% sand, and 0.5% gravel. SP25-3-8-13 had a particle size distribution of 48.6% clay, 42.6% silt, 7.2% sand, and 1.6% gravel.

Based on the results of the laboratory analyses, all soil samples (SP25-3-1 to SP25-3-13 and DUP-1) exceeded the applied SQG for one or more metal parameter (arsenic, hot water-soluble boron, chromium, copper, and/or zinc). SP25-3-3, SP25-3-11, and SP25-3-12 also had concentrations of PHC F3 above the applied SQGs. All other samples collected from Stockpile 3 had concentrations of BTEX, PHCs, and PAHs below applied SQGs or RDLs. All samples from SP25-3 which exceeded chromium, copper, and zinc guidelines also exceeded the Manitoba landfill acceptance criteria guidelines for the same parameters.

4.4 Quality Assurance and Quality Control Results

Three duplicate soil samples were collected for analysis (SP25-3-10 and duplicate DUP-1, SP25-1-10 and duplicate DUP-2, and SP25-2-2 and duplicate DUP-3). SP25-1-10 and its duplicate (DUP-2) exceeded the alternate alert criteria for one metal parameter (silver) and there were 17 PAH parameters that exceeded either the primary or secondary alert criteria. All calculable RPD and difference results for BTEX or PHC F1-F4 parameters were within acceptable limits. The discrepancy between the parent sample and duplicate are likely due to the heterogeneity of the soil samples. These exceedances of the alert criteria do not impact the results of this report since both SP25-1-10 and its DUP-2 had results below the applicable SQGs.

All calculable RPDs were within the acceptable alert criteria for SP25-2-2 and SP25-3-10 and their duplicates (DUP-3 and DUP-1).

5. Conclusion & Recommendations

SP25-1 consisted of one large pile, primarily consisting of clay with silt, and scattered debris was observed throughout the stockpile. Analytical results from sample SP25-1-13 indicated a chromium concentration of 108 mg/kg, exceeding the applicable SQG of 87 mg/kg. If the stockpile is intended for use as backfill, it is recommended that:

- Debris be carefully separated from the soil prior to reuse
- Impacted material from SP25-1-13 be either disposed of at an approved waste management facility or managed appropriately on-site in accordance with regulatory requirements after completion of a Remedial Plan and Provincial approval
- If a more accurate volume estimate is required, it is recommended to complete a drone survey

The soil located within the treed area (SP25-2) consisted of approximately 40 stockpiles (approximately 200 m³ total). Of these 40 stockpiles:

- 12 stockpiles consisted primarily of clay, including one larger clay stockpile located centrally
- Approximately 25 stockpiles were composed of sand with gravel
- Approximately three stockpiles contained gravel with sand and silt

Sand and gravel stockpiles were generally located along the perimeter, while clay stockpiles were concentrated in the center. Sampling was conducted only on the clay stockpiles (60 m³). All analytical results were below applicable SQGs.

SP25-3 consisted of one large stockpile extending west to east along the northern boundary of the site. The material generally comprised silt with clay, and debris such as rebar and plastic were observed within the pile.

All samples collected from SP25-3 exceeded applicable SQGs for one or more metal parameters, including arsenic, hot water-soluble boron, chromium, copper, and/or zinc. Additionally, samples SP25-3-3, SP25-3-11, and SP25-3-12 contained PHC F3 concentrations above the applied SQGs. It is recommended that impacted material from SP25-3 be either:

- Disposed of at an approved waste management facility, or
- Managed appropriately on-site in accordance with applicable regulatory requirements after completion of a Remedial Plan and Provincial approval.

It is recommended that Manitoba Environment and Climate Change (MECC) be notified of the results of the stockpile sampling and a Remedial Plan be completed and submitted to MECC for approval to manage the impacted soil. The Remedial Plan could include offsite disposal or could propose to manage this soil on site in a contained location, i.e. subsurface storage in a clay unit above the water table with a clay cap, however the material from Stockpile 3 may not be suitable as engineered fill given the high silt content, which ranged from 43% to 63% in two samples.

Sincerely,
AECOM Canada Ltd.



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Attachments: Figures
Tables
Appendix A – Site Photographs
Appendix B – ALS Certificates of Analyses
Appendix C – Laboratory Results - Particle Size Analysis

6. References

Canada-Wide Standards (CWS) for Petroleum Hydrocarbons (PHC) in Soil, CCME (CCME) (2008)

Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (2025) - Industrial Land Use

City of Winnipeg, 2025. Planning, Property & Planning. Property Map/Aerial Photography.

https://legacy.winnipeg.ca/ppd/maps_aerial.stm

Manitoba Environment and Climate, July 2023. Criteria for Acceptance of Contaminated Soil at Waste Disposal Grounds

Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ontario
Ministry of the Environment, April 15, 2011.

Figures

Table 1: Soil Analytical Results - Metals

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10	DUP-2 (Duplicate of SP25-1-10)	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15	SP25-1-16
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (Sb)	40	NG	0.1	mg/kg	0.59	0.67	0.73	0.49	0.35	0.46	0.46	0.44	1.12	0.46	0.47	0.68	0.65	0.91	0.2	0.38	0.44
Arsenic (As)	12	26	0.1	mg/kg	6.55	6.62	7.31	6.8	6.29	7.11	6.96	6.28	6.73	6.61	5.73	7.02	6.00	7.17	3.22	6.7	5.5
Barium (Ba)	2,000	NG	0.5	mg/kg	169	249	194	166	176	162	175	172	179	160	152	175	164	204	100	172	139
Beryllium (Be)	8	NG	0.1	mg/kg	0.89	0.86	1.01	0.82	0.84	0.86	0.89	0.85	0.86	0.75	0.61	0.82	0.8	0.78	0.4	0.97	0.65
Boron (B)	120 ^b	NG	5	mg/kg	20.7	21.8	27.2	20.6	21.9	19.5	20	21.3	22.8	19.6	19	22.5	20.5	21.1	17.3	22.2	19.4
Boron, hot water soluble	2 ^b	NG	0.1	mg/kg	0.9	0.72	0.88	0.71	0.8	0.43	0.62	0.74	0.67	0.49	0.48	0.66	0.11	0.84	0.46	0.47	0.66
Cadmium (Cd)	22	22	0.02	mg/kg	0.514	0.434	0.518	0.353	0.311	0.308	0.337	0.294	0.376	0.308	0.374	0.406	0.371	1.17	0.148	0.265	0.346
Chromium (Cr)	87	87	0.5	mg/kg	57.5	54.6	65	48.1	40.7	41.5	44.9	40	47.6	37.2	41.6	46	47	108	23.2	50.2	40.9
Chromium, hexavalent [Cr VI]	1.4	1.4	0.1	mg/kg	0.12	0.23	0.34	0.29	0.17	0.23	0.2	0.18	0.26	0.13	<0.10	0.14	0.26	0.27	0.12	0.21	0.13
Cobalt (Co)	300	NG	0.1	mg/kg	10.4	10.2	10.7	10.8	10.1	10.9	11.3	10	11.2	10.1	8.85	10.2	9.19	9.94	5.75	14.4	8.66
Copper (Cu)	91	91	0.5	mg/kg	31.2	30.4	33	28.6	24.2	28.5	27	25.2	28.8	25.2	25.7	33.7	25.6	50.3	14.4	30.5	24.2
Lead (Pb)	600	600	0.5	mg/kg	31.2	31.4	35.8	21.6	12.8	19	17.3	17	28.7	17.8	21.3	30.7	24.4	52.6	7.7	15.1	15.3
Mercury	50	NG	0.005	mg/kg	0.194	0.21	0.201	0.108	0.0462	0.119	0.0667	0.0893	0.0987	0.0899	0.17	0.146	0.109	0.567	0.0286	0.0534	0.0928
Molybdenum (Mo)	40	NG	0.1	mg/kg	0.49	0.52	0.7	0.44	0.53	0.55	0.44	0.65	0.59	0.57	0.5	0.71	0.44	0.64	0.36	0.75	0.58
Nickel (Ni)	89	89	0.5	mg/kg	30.7	30.2	32.8	31.7	30.1	32.2	32.5	30.6	33.4	29.2	25.4	30.6	27.6	32.8	16.8	38.4	25.9
Selenium (Se)	2.9	2.9	0.2	mg/kg	0.39	0.24	0.26	0.21	<0.20	<0.20	<0.20	0.22	<0.20	0.21	0.22	0.24	0.23	0.34	0.21	0.51	0.24
Silver (Ag)	40	NG	0.1	mg/kg	0.86	0.72	1.06	0.45	0.18	0.34	0.27	0.27	0.4	0.28	0.6	0.43	0.38	2.57	0.11	0.24	0.4
Thallium (Tl)	1	3.6	0.05	mg/kg	0.275	0.267	0.317	0.269	0.256	0.266	0.276	0.253	0.271	0.25	0.209	0.244	0.236	0.271	0.144	0.328	0.221
Uranium (U)	300	2000	0.05	mg/kg	2.06	1.5	3.06	1.54	1.39	1.16	1.68	1.55	1.7	1.56	1.34	1.66	1.24	1.8	0.893	1.6	1.11
Vanadium (V)	130	130	0.2	mg/kg	68.4	66.5	74.4	68.5	67.9	63.8	68.2	61.6	67.5	59.1	50.4	66.4	60.5	62.6	34	72.5	53.7
Zinc (Zn)	410	450	2	mg/kg	99.8	102	115	126	70.5	86.6	84.2	72.4	84.5	81.3	83.1	97.6	77.6	160	37.1	84.6	70

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use.

^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed in August 2025) , Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 1: Soil Analytical Results - Metals

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-2-1	SP25-2-2	DUP-3 (Duplicate of SP25-2-2)	SP25-3-1	SP25-3-2	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7	SP25-3-8	SP25-3-9	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)	SP25-3-11	SP25-3-12	SP25-3-13
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (Sb)	40	NG	0.1	mg/kg	0.3	0.32	0.33	1.11	3.62	5.53	5.01	3.28	4.21	4.86	3.87	4.56	4.18	4.81	5.88	6.09	4.69
Arsenic (As)	12	26	0.1	mg/kg	6.77	7.03	8.01	7.84	12.7	18.9	16.7	12.6	15.8	14.7	13.8	13.2	14.1	14.3	16.3	16.5	15.4
Barium (Ba)	2,000	NG	0.5	mg/kg	172	187	214	228	418	574	552	394	508	509	476	477	491	500	570	502	544
Beryllium (Be)	8	NG	0.1	mg/kg	0.46	0.5	0.56	0.78	0.75	0.82	0.79	0.92	0.87	0.8	0.76	0.73	0.8	0.82	0.73	0.78	0.77
Boron (B)	120 ^b	NG	5	mg/kg	15.5	17	17.2	16.9	16.2	17.8	18.4	22.4	18.6	17.6	17.7	15.8	18.9	18.7	17.6	21.1	19
Boron, hot water soluble	2 ^b	NG	0.1	mg/kg	0.46	0.46	0.61	0.6	0.81	2.43	1.32	1.15	1.17	1.44	2.32	1.83	1.55	1.24	2.18	1.88	1.72
Cadmium (Cd)	22	22	0.02	mg/kg	0.31	0.312	0.32	2.1	10.4	15.8	13.8	8.12	12.7	12.5	11.4	12.1	11.8	11.9	16.4	15.8	12.3
Chromium (Cr)	87	87	0.5	mg/kg	18.4	19.3	21.5	177	744	1,080	1,040	598	837	835	747	771	786	779	1,040	985	835
Chromium, hexavalent [Cr VI]	1.4	1.4	0.1	mg/kg	<0.10	<0.10	<0.10	0.65	0.92	0.54	0.18	0.83	0.78	0.17	0.2	0.13	0.16	0.28	<0.10	0.11	0.46
Cobalt (Co)	300	NG	0.1	mg/kg	6.94	7.2	7.97	10.2	7.93	10.7	9.04	11.4	10.6	9.98	9.42	9.16	9.58	9.57	8.37	9.14	9.85
Copper (Cu)	91	91	0.5	mg/kg	15.5	15.6	17.3	67.6	253	349	337	206	292	292	273	286	275	288	357	330	286
Lead (Pb)	600	600	0.5	mg/kg	8.89	9.1	9.22	76.3	348	496	449	258	386	395	349	363	355	391	481	481	391
Mercury	50	NG	0.005	mg/kg	0.0379	0.0347	0.0358	1.16	6.03	8.03	7.66	3.76	6.02	5.93	5.36	5.6	5.18	5.69	7.5	7.06	6.37
Molybdenum (Mo)	40	NG	0.1	mg/kg	0.39	0.43	0.45	0.97	1.82	2.97	2.53	1.94	2.37	2.2	2.1	1.85	1.72	1.96	2.19	2.89	1.9
Nickel (Ni)	89	89	0.5	mg/kg	18.5	19	21.6	36.1	55.8	79.2	73.6	60	70.7	69.8	64.8	65.5	64.9	66.7	75.4	73.4	69.4
Selenium (Se)	2.9	2.9	0.2	mg/kg	0.36	0.39	0.4	0.43	1.15	1.64	1.55	1.05	1.28	1.39	1.19	1.22	1.2	1.32	1.59	1.52	1.37
Silver (Ag)	40	NG	0.1	mg/kg	<0.10	<0.10	<0.10	5.06	23.4	34.9	30.8	18	28.5	27.8	28.6	25.7	28	32.4	34.5	35	29.2
Thallium (Tl)	1	3.6	0.05	mg/kg	0.204	0.221	0.243	0.268	0.335	0.426	0.371	0.374	0.412	0.416	0.395	0.403	0.404	0.436	0.469	0.477	0.427
Uranium (U)	300	2000	0.05	mg/kg	1.13	1.19	1.24	1.73	4.29	4.57	4.41	3.14	3.94	4.04	3.63	3.72	3.58	3.91	4.35	4.33	3.94
Vanadium (V)	130	130	0.2	mg/kg	38.2	39.9	44.7	57.1	44.8	53.6	50	66.8	57.6	51.9	50.8	47.7	52.2	51.7	46.8	52.8	55.2
Zinc (Zn)	410	450	2	mg/kg	60.3	61.7	66.6	215	937	1,450	1,250	749	986	1,070	1,200	1,010	986	1,000	1,300	1,230	1,200

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use.

^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed in August 2025) , Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 2: Soil Analytical Results - Polycyclic Aromatic Hydrocarbons

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10	DUP-2 (Duplicate of SP25-1-10)	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15	SP25-1-16
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	96 ^b	NG	0.005	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0115	0.0160	0.0449	0.0058	0.0364	0.97	0.0115	0.0054	0.0153	<0.0050	0.0161	0.0073
Acenaphthylene	0.17 ^b	NG	0.005	mg/kg	<0.0050	<0.0050	0.0081	<0.0050	<0.0050	0.0076	<0.0050	0.006	0.0286	<0.0050	0.0073	0.0128	<0.0050	0.0076	<0.0050	0.0131	<0.0050
Acridine	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	0.02	<0.010	0.014	0.256	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	32	32	0.004	mg/kg	<0.0040	0.0075	0.0132	0.0097	<0.0040	0.0299	0.122	0.0846	0.0571	0.0746	1.62	0.0316	0.015	0.0396	0.0088	0.0334	0.0206
Benz(a)anthracene	10	NG	0.01	mg/kg	<0.010	0.022	0.039	0.025	<0.010	0.094	0.268	0.161	0.039	0.152	2.38	0.075	0.04	0.122	0.024	0.057	0.047
Benzo(a)pyrene	72	72	0.01	mg/kg	<0.010	0.026	0.045	0.028	<0.010	0.112	0.253	0.152	0.053	0.146	2	0.085	0.044	0.129	0.025	0.064	0.051
Benzo(b+j)fluoranthene	NG	NG	0.01	mg/kg	<0.010	0.031	0.054	0.033	<0.010	0.117	0.312	0.183	0.059	0.172	2.53	0.109	0.053	0.152	0.033	0.079	0.056
Benzo(b+j+k)fluoranthene	10	NG	0.015	mg/kg	<0.015	0.045	0.075	0.047	<0.015	0.166	0.44	0.258	0.083	0.247	3.58	0.155	0.075	0.214	0.046	0.109	0.08
Benzo(g,h,i)perylene	9.6 ^b	NG	0.01	mg/kg	<0.010	0.022	0.035	0.021	<0.010	0.085	0.145	0.079	0.085	0.086	0.885	0.066	0.039	0.092	0.018	0.048	0.036
Benzo(k)fluoranthene	10	NG	0.01	mg/kg	<0.010	0.014	0.021	0.014	<0.010	0.049	0.128	0.075	0.024	0.075	1.05	0.046	0.022	0.062	0.013	0.03	0.024
Chrysene	9.6 ^b	NG	0.01	mg/kg	<0.010	0.028	0.049	0.03	<0.010	0.105	0.276	0.188	0.05	0.159	2.26	0.094	0.052	0.14	0.03	0.064	0.05
Dibenz(a,h)anthracene	10	NG	0.005	mg/kg	<0.0050	0.005	0.0078	<0.0050	<0.0050	0.0188	0.039	0.0259	0.0111	0.0236	0.291	0.0172	0.0082	0.0223	0.0051	0.0104	0.008
Fluoranthene	180	180	0.01	mg/kg	0.013	0.046	0.085	0.057	0.011	0.189	0.718	0.428	0.09	0.377	5.98	0.198	0.093	0.25	0.063	0.155	0.109
Fluorene	69 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	0.021	0.067	<0.010	0.03	0.81	0.014	<0.010	0.019	<0.010	0.016	<0.010
Indeno(1,2,3-c,d)pyrene	10	NG	0.01	mg/kg	<0.010	0.022	0.032	0.019	<0.010	0.076	0.163	0.088	0.059	0.091	1.12	0.065	0.035	0.087	0.019	0.047	0.036
Methylnaphthalene, 1+2-	NG	NG	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.031	<0.015	<0.015	0.104	<0.015	<0.015	0.048	<0.015	<0.015	<0.015
Methylnaphthalene, 1-	85 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	0.046	<0.010	<0.010	0.014	<0.010	<0.010	<0.010
Methylnaphthalene, 2-	85 ^b	NG	0.01	mg/kg	<0.010	0.012	0.012	<0.010	<0.010	<0.010	<0.010	0.018	<0.010	<0.010	0.058	0.011	<0.010	0.034	<0.010	0.011	<0.010
Naphthalene	22	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.024	0.011	<0.010	0.049	0.011	<0.010	0.016	<0.010	0.029	<0.010
Phenanthrene	50	NG	0.01	mg/kg	<0.010	0.031	0.057	0.037	<0.010	0.109	0.488	0.479	0.062	0.287	6.08	0.158	0.061	0.172	0.042	0.152	0.087
Pyrene	100	NG	0.01	mg/kg	0.011	0.039	0.074	0.047	<0.010	0.181	0.549	0.334	0.076	0.295	4.6	0.157	0.078	0.219	0.05	0.135	0.092
Quinoline	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
B(a)P total potency equivalents [B(a)P TPE]	5.3	NG	0.02	mg/kg	<0.020	0.04	0.068	0.04	<0.020	0.166	0.383	0.231	0.084	0.221	3.03	0.133	0.068	0.196	0.039	0.097	0.076

Notes:

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^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025) , Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

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RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 2: Soil Analytical Results - Polycyclic Aromatic Hydrocarbons

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-2-1	SP25-2-2	DUP-3 (Duplicate of SP25-2-2)	SP25-3-1	SP25-3-2	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7	SP25-3-8	SP25-3-9	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)	SP25-3-11	SP25-3-12	SP25-3-13		
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	96 ^b	NG	0.005	mg/kg	<0.0050	<0.0050	<0.0050	0.011	0.0506	0.0456	0.351	<0.0380	<0.0398	0.0392	<0.0405	<0.0386	<0.0396	<0.0376	<0.0421	<0.0400	0.144		
Acenaphthylene	0.17 ^b	NG	0.005	mg/kg	0.0051	<0.0050	<0.0050	0.0143	0.0448	<0.0384	0.135	<0.0380	<0.0398	<0.0380	<0.0405	<0.0386	<0.0396	<0.0376	0.0423	<0.0400	<0.0392		
Acridine	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	0.033	<0.038	0.164	<0.038	<0.040	<0.038	<0.040	<0.038	<0.040	<0.038	<0.042	<0.040	0.053		
Anthracene	32	32	0.004	mg/kg	0.0095	<0.0040	<0.0040	0.0327	0.131	0.117	1.28	<0.0380	0.0422	0.0722	0.0816	0.0591	0.0782	0.0657	0.0636	<0.0400	0.326		
Benz(a)anthracene	10	NG	0.01	mg/kg	0.017	<0.010	<0.010	0.075	0.351	0.302	2.1	0.091	0.143	0.241	0.258	0.202	0.251	0.193	0.241	0.127	0.5		
Benzo(a)pyrene	72	72	0.01	mg/kg	0.016	<0.010	<0.010	0.088	0.407	0.388	1.68	0.112	0.211	0.29	0.328	0.265	0.309	0.244	0.349	0.196	0.448		
Benzo(b+j)fluoranthene	NG	NG	0.01	mg/kg	0.027	0.01	0.015	0.11	0.523	0.503	2.07	0.155	0.289	0.395	0.439	0.33	0.433	0.336	0.46	0.251	0.567		
Benzo(b+j+k)fluoranthene	10	NG	0.015	mg/kg	0.037	<0.015	0.015	0.155	0.734	0.716	2.97	0.207	0.389	0.57	0.606	0.464	0.605	0.461	0.616	0.343	0.802		
Benzo(g,h,i)perylene	9.6 ^b	NG	0.01	mg/kg	0.013	<0.010	<0.010	0.103	0.414	0.504	0.904	0.146	0.293	0.326	0.484	0.373	0.378	0.334	0.562	0.267	0.373		
Benzo(k)fluoranthene	10	NG	0.01	mg/kg	0.01	<0.010	<0.010	0.045	0.211	0.213	0.898	0.052	0.1	0.175	0.167	0.134	0.172	0.125	0.156	0.092	0.235		
Chrysene	9.6 ^b	NG	0.01	mg/kg	0.026	<0.010	<0.010	0.091	0.422	0.4	2.16	0.1	0.184	0.32	0.335	0.26	0.318	0.259	0.329	0.168	0.598		
Dibenz(a,h)anthracene	10	NG	0.005	mg/kg	<0.0050	<0.0050	<0.0050	0.0181	0.0786	0.0842	0.293	<0.0380	<0.0398	0.0544	0.0633	0.0421	0.064	0.0582	0.0865	0.0455	0.0782		
Fluoranthene	180	180	0.01	mg/kg	0.054	0.012	0.011	0.172	0.771	0.678	4.79	0.184	0.275	0.546	0.579	0.441	0.578	0.42	0.458	0.251	1.06		
Fluorene	69 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.014	0.058	0.05	0.733	<0.038	<0.040	0.042	<0.040	<0.038	0.051	<0.038	<0.042	<0.040	0.206		
Indeno(1,2,3-c,d)pyrene	10	NG	0.01	mg/kg	0.014	<0.010	<0.010	0.08	0.343	0.384	0.989	0.117	0.221	0.278	0.332	0.262	0.322	0.267	0.381	0.226	0.33		
Methylnaphthalene, 1+2-	NG	NG	0.015	mg/kg	<0.015	<0.015	<0.015	0.057	0.239	0.422	0.606	0.2	0.241	0.238	0.264	0.276	0.265	0.306	0.462	0.132	0.385		
Methylnaphthalene, 1-	85 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.015	0.069	0.108	0.207	0.051	0.056	0.06	0.069	0.067	0.068	0.081	0.108	<0.040	0.13		
Methylnaphthalene, 2-	85 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.042	0.17	0.314	0.399	0.149	0.185	0.178	0.195	0.209	0.197	0.225	0.354	0.132	0.255		
Naphthalene	22	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.018	0.073	0.136	0.756	0.05	0.081	0.076	0.081	0.09	0.09	0.072	0.142	0.05	0.175		
Phenanthrene	50	NG	0.01	mg/kg	0.039	<0.010	<0.010	0.128	0.583	0.554	5.03	0.122	0.214	0.45	0.393	0.359	0.452	0.317	0.37	0.156	1.37		
Pyrene	100	NG	0.01	mg/kg	0.038	0.01	<0.010	0.15	0.678	0.617	3.77	0.158	0.253	0.472	0.522	0.394	0.506	0.375	0.436	0.234	0.969		
Quinoline	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.038	<0.034	<0.038	<0.040	<0.038	<0.040	<0.038	<0.040	<0.038	<0.042	<0.040	<0.039		
B(a)P total potency equivalents [B(a)P TPE]	5.3	NG	0.02	mg/kg	0.026	<0.020	<0.020	0.139	0.637	0.621	2.61	0.158	0.294	0.46	0.519	0.406	0.498	0.4	0.568	0.315	0.699		

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use.

^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025) , Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 3: Soil Analytical Results - Petroleum Hydrocarbons

Sample ID:	SQG ^a Surface Soil (>1.5 m)	Landfill Acceptance Criteria ^c	RDL	Units	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10	DUP-2 (Duplicate of SP25-1-10)	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15	SP25-1-16
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2.8	310	0.005	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	330	330	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	430	430	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Xylenes, total	230	230	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
F1 (C6-C10) ^b	320	320	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.3	<5.0
F1 (C6-C10) - BTEX ^b	320	260	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.3	<5.0
F2 (C10-C16) ^b	260	2,500	25	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
F3 (C16-C34) ^b	2,500	6,600	50	mg/kg	51	80	101	<50	75	<50	56	76	88	103	74	109	132	177	84	87	79
F4 (C34-C50) ^b	6,600	NG	50	mg/kg	<50	<50	54	<50	<50	<50	<50	<50	<50	54	<50	61	92	110	<50	56	54

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use, Fine Grained Soils.

^b Canada Wide Standard for Petroleum Hydrocarbons (PHC) in Soil, Canadian Council of Ministers of the Environment (CCME 2008), Fine Grained Soils.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025) , Industrial Land Use, Environmental Soil Contact Pathway

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NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 3: Soil Analytical Results - Petroleum Hydrocarbons

Sample ID:	SQG ^a Surface Soil (>1.5 m)	Landfill Acceptance Criteria ^c	RDL	Units	SP25-2-1	SP25-2-2	DUP-3 (Duplicate of SP25-2-2)	SP25-3-1	SP25-3-2	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7	SP25-3-8	SP25-3-9	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)	SP25-3-11	SP25-3-12	SP25-3-13
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2.8	310	0.005	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	330	330	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	0.097	0.091	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	430	430	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	0.019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.015	<0.015	<0.015
Xylenes, total	230	230	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	0.056	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.052	0.052	<0.050
F1 (C6-C10) ^b	320	320	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<6.3	<5.0	<5.1	<5.6	<5.0	<5.3	<5.9	<5.0	<5.0	<5.6	<5.3	<5.3
F1 (C6-C10) - BTEX ^b	320	260	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<6.3	<5.0	<5.1	<5.6	<5.0	<5.3	<5.9	<5.0	<5.0	<5.6	<5.3	<5.3
F2 (C10-C16) ^b	260	2,500	25	mg/kg	<25	<25	<25	<25	<25	29	<25	<25	<25	<25	<25	25	<25	33	36	38	30
F3 (C16-C34) ^b	2,500	6,600	50	mg/kg	62	61	<50	295	802	2,620	1,040	775	2,000	934	1,750	2,240	1,440	1,800	2,720	2,650	1,430
F4 (C34-C50) ^b	6,600	NG	50	mg/kg	55	<50	<50	179	485	1,550	617	439	1,280	571	1,040	1,480	951	1,090	1,770	1,600	855

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use, Fine Grained Soils.

^b Canada Wide Standard for Petroleum Hydrocarbons (PHC) in Soil, Canadian Council of Ministers of the Environment (CCME 2008), Fine Grained Soils.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025) , Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 4: Soil Analytical Results - Quality Assurance & Quality Control

Sample ID: Date Sampled (dd-mmm-yy) Depth (mbgs)	Units	RDL	Primary Alert Limit	Alternate Alert Limit	SP25-3-10	DUP-1	RPD (%)	Difference	SP25-1-10	DUP-2	RPD (%)	Difference	SP25-2-2	DUP-3	RPD (%)	Difference
					22-Jul-25	22-Jul-25			22-Jul-25	22-Jul-25			22-Jul-25	22-Jul-25		
					-	-			-	-			-	-		
Metals																
Antimony (Sb)	mg/kg	0.1	60	0.2	4.18	4.81	14.0	NA	0.46	0.47	NC	0.0	0	0.33	NC	0.0
Arsenic (As)	mg/kg	0.1	60	0.2	14.1	14.3	1.4	NA	6.61	5.73	14.3	NA	7.03	8.01	13.0	NA
Barium (Ba)	mg/kg	0.5	80	1.0	491	500	1.8	NA	160	152	5.1	NA	187	214	13.5	NA
Beryllium (Be)	mg/kg	0.1	60	0.2	0.8	0.82	2.5	NA	0.75	0.61	20.6	NA	0.5	0.56	NC	NA
Boron (B)	mg/kg	5	60	10	18.9	18.7	NC	0.2	19.6	19	NC	0.6	17	17.2	NC	0.2
Boron, hot water soluble	mg/kg	0.1	80	0.2	1.55	1.24	22.2	NA	0.49	0.48	NC	0.0	0.46	0.61	NC	0.2
Cadmium (Cd)	mg/kg	0.02	60	0.0	11.8	11.9	0.8	NA	0.308	0.374	19.4	NA	0.312	0.32	2.5	NA
Chromium (Cr)	mg/kg	0.5	60	1.0	786	779	0.9	NA	37.2	41.6	11.2	NA	19.3	21.5	10.8	NA
Chromium, hexavalent [Cr VI]	mg/kg	0.1	60	0.2	0.16	0.28	NC	0.1	0.13	<0.10	NC	NC	<0.10	<0.10	NC	NA
Cobalt (Co)	mg/kg	0.1	60	0.2	9.58	9.57	0.1	NA	10.1	8.85	13.2	NA	7.2	7.97	10.2	NA
Copper (Cu)	mg/kg	0.5	60	1.0	275	288	4.6	NA	25.2	25.7	2.0	NA	15.6	17.3	10.3	NA
Lead (Pb)	mg/kg	0.5	80	1.0	355	391	9.7	NA	17.8	21.3	17.9	NA	9.1	9.22	1.3	NA
Mercury	mg/kg	0.005	80	0.010	5.18	5.69	9.4	NA	0.09	0.17	61.6	NA	0	0	3.1	NA
Molybdenum (Mo)	mg/kg	0.1	80	0.2	1.72	1.96	13.0	NA	0.57	0.5	NC	NA	0.43	0.45	NC	0.0
Nickel (Ni)	mg/kg	0.5	60	1.0	64.9	66.7	2.7	NA	29.2	25.4	13.9	NA	19	21.6	12.8	NA
Selenium (Se)	mg/kg	0.2	60	0.4	1.20	1.32	9.5	NA	0.21	0.22	NC	0.0	0.39	0.40	NC	0.0
Silver (Ag)	mg/kg	0.1	80	0.2	28	32.4	14.6	NA	0.28	0.60	NC	0.32	<0.10	<0.10	NC	NA
Thallium (Tl)	mg/kg	0.05	60	0.1	0.404	0.436	7.6	NA	0.25	0.209	NC	NA	0.221	0.243	NC	0.0
Uranium (U)	mg/kg	0.05	60	0.1	3.58	3.91	8.8	NA	1.56	1.34	15.2	NA	1.19	1.24	4.1	NA
Vanadium (V)	mg/kg	0.2	60	0.4	52.2	51.7	1.0	NA	59.1	50.4	15.9	NA	39.9	44.7	11.3	NA
Zinc (Zn)	mg/kg	2	60	4.0	986	1,000	1.4	NA	81	83	2.2	NA	62	67	7.6	NA
PAHs																
Acenaphthene	mg/kg	0.005	100	0.01	<0.0396	<0.0376	NC	NA	0.0364	0.97	185.5	NA	<0.0050	<0.0050	NC	NA
Acenaphthylene	mg/kg	0.005	100	0.01	<0.0396	<0.0376	NC	NA	<0.0050	0.0073	NC	NA	<0.0050	<0.0050	NC	NA
Acridine	mg/kg	0.01	100	0.02	<0.040	<0.038	NC	NA	0.014	0.256	NC	0.2	<0.010	<0.010	NC	NA
Anthracene	mg/kg	0.004	100	0.01	0.0782	0.0657	17.4	NA	0.0746	1.62	182.4	NA	<0.0040	<0.0040	NC	NA
Benz(a)anthracene	mg/kg	0.01	100	0.02	0.251	0.193	26.1	NA	0.152	2.38	176.0	NA	<0.010	<0.010	NC	NA
Benzo(a)pyrene	mg/kg	0.01	100	0.02	0.309	0.244	23.5	NA	0.146	2	172.8	NA	<0.010	<0.010	NC	NA
Benzo(b+j)fluoranthene	mg/kg	0.01	100	0.02	0.433	0.336	25.2	NA	0.172	2.53	174.5	NA	0.01	0.015	NC	0.0
Benzo(b+j+k)fluoranthene	mg/kg	0.015	100	0.03	0.605	0.461	27.0	NA	0.247	3.58	174.2	NA	<0.015	0.015	NC	NA
Benzo(g,h,i)perylene	mg/kg	0.01	100	0.02	0.378	0.334	12.4	NA	0.086	0.885	164.6	NA	<0.010	<0.010	NC	NA
Benzo(k)fluoranthene	mg/kg	0.01	100	0.02	0.172	0.125	31.6	NA	0.075	1.05	173.3	NA	<0.010	<0.010	NC	NA
Chrysene	mg/kg	0.01	100	0.02	0.318	0.259	20.5	NA	0.159	2.26	173.7	NA	<0.010	<0.010	NC	NA
Dibenz(a,h)anthracene	mg/kg	0.005	100	0.01	0.064	0.0582	9.5	NA	0.0236	0.291	NC	0.3	<0.0050	<0.0050	NC	NA
Fluoranthene	mg/kg	0.01	100	0.02	0.578	0.42	31.7	NA	0.377	5.98	176.3	NA	0.012	0.011	NC	0.0
Fluorene	mg/kg	0.01	100	0.02	0.051	<0.038	NC	NA	0.03	0.81	NC	0.8	<0.010	<0.010	NC	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.01	100	0.02	0.322	0.267	18.7	NA	0.091	1.12	169.9	NA	<0.010	<0.010	NC	NA
Methylnaphthalene, 1+2-	mg/kg	0.015	100	0.03	0.265	0.306	14.4	NA	<0.015	0.104	NC	NA	<0.015	<0.015	NC	NA
Methylnaphthalene, 1-	mg/kg	0.01	100	0.02	0.068	0.081	17.4	NA	<0.010	0.046	NC	NA	<0.010	<0.010	NC	NA
Methylnaphthalene, 2-	mg/kg	0.01	100	0.02	0.197	0.225	13.3	NA	<0.010	0.058	NC	NA	<0.010	<0.010	NC	NA
Naphthalene	mg/kg	0.01	100	0.02	0.09	0.072	22.2	NA	<0.010	0.049	NC	NA	<0.010	<0.010	NC	NA
Phenanthrene	mg/kg	0.01	100	0.02	0.452	0.317	35.1	NA	0.287	6.08	182.0	NA	<0.010	<0.010	NC	NA
Pyrene	mg/kg	0.01	100	0.02	0.506	0.375	29.7	NA	0.295	4.6	175.9	NA	0.01	<0.010	NC	NC
Quinoline	mg/kg	0.01	100	0.02	<0.040	<0.038	NC	NA	<0.010	0.011	NC	NA	<0.010	<0.010	NC	NA
B(a)P total potency equivalents [B(a)P TPE]	mg/kg	0.02	100	0.04	0.498	0.4	21.8	NA	0.221	3.03	172.8	NA	<0.020	<0.020	NC	NA
PHCs																
Benzene	mg/kg	0.005	100	0.01	<0.0050	<0.0050	NC	NA	<0.0050	<0.0050	NC	NA	<0.0050	<0.0050	NC	NA
Toluene	mg/kg	0.05	100	0.10	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA
Ethylbenzene	mg/kg	0.015	100	0.03	<0.015	<0.015	NC	NA	<0.015	<0.015	NC	NA	<0.015	<0.015	NC	NA
Xylenes, total	mg/kg	0.05	100	0.10	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA
BTEX, total	mg/kg	0.1	100	0.20	<0.10	<0.10	NC	NA	<0.10	<0.10	NC	NA	<0.10	<0.10	NC	NA
F1 (C6-C10)	mg/kg	5	60	10	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA
F1 (C6-C10) - BTEX	mg/kg	5	60	10	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA
F2 (C10-C16)	mg/kg	25	80	50	<25	33	NC	NA	<25	<25	NC	NA	<25	<25	NC	NA
F3 (C16-C34)	mg/kg	50	80	100	1440	1800	22.2	NA	103	74	NC	29.0	61	<50	NC	NC
F4 (C34-C50)	mg/kg	50	80	100	951	1090	13.6	NA	54	<50	NC	NC	<50	<50	NC	NA

Notes:
NC - Not Calculated (Result is below 5x the detection limit).
NA - Not Applicable (Result is below detection limit or more than 5x the detection limit).
RPD - Relative Percent Difference.
mbgs - metres below ground surface.
mg/kg - milligram per kilogram.
NG - No Guideline.
RDL -Reportable Detection Limit
< - Denotes concentration less than indicated detection limit.
% - Percent.

Exceeds Alert Limit.



Appendix A - Site Photographs

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.1.	Date: 2025-07-22			
Description: Facing northeast in SP25-1-1. Showing the vegetation of the stockpile.				

Photo No.2.	Date: 2025-07-22			
Description: One of the grab sample locations from SP25-1-1 with a boulder located adjacent.				

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.3.	Date: 2025-07-22	
Description: Plastic conduit located adjacent to one of the grab sample locations in SP25-1-3.		

Photo No.4.	Date: 2025-07-22	
Description: Collecting discrete grab sample from SP25-1-6, some gravel encountered.		

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.5.	Date: 2025-07-22			
Description: Gravel and silt stockpile located along the southern edge of SP25-2.				

Photo No.6.	Date: 2025-07-22			
Description: Sand and silt stockpile located along the west and north edge of SP25-2.				

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.7.	Date: 2025-07-22	
Description: SP25-3-1 from the west edge looking east.		

Photo No.8.	Date: 2025-07-22	
Description: One of the grab sample locations in SP25-3-2.		

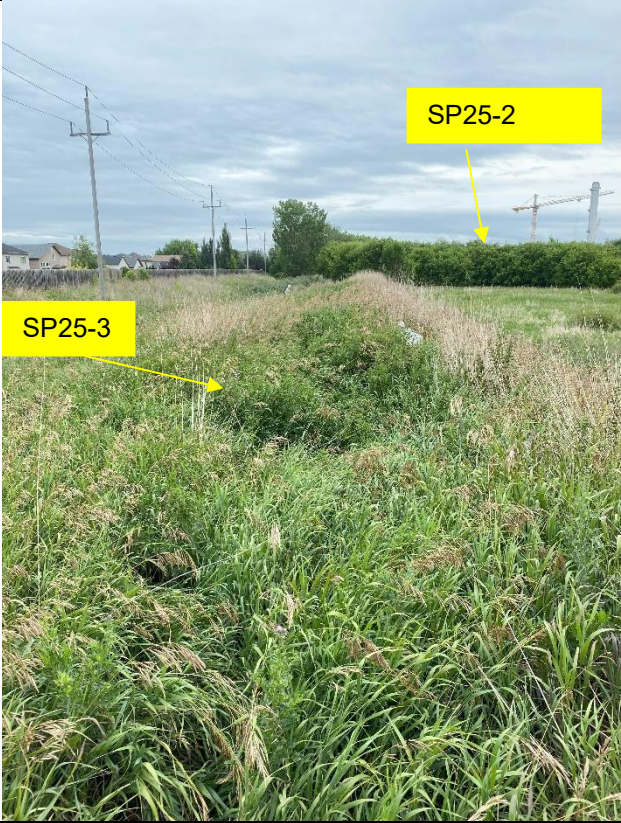
PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.9.	Date: 2025-07-02	
Description: Steel wire observed in one of the grab sample locations in SP25-3-2.		 A close-up photograph of a soil sample. A yellow arrow points from a yellow box labeled "Steel Wire" to a thin, dark wire embedded in the soil. The soil is dark brown and moist, surrounded by green and brown grass.

Photo No.10.	Date: 2025-07-02	
Description: SP25-3 viewed facing east from SP25-3-6. Treed area where SP25-2 is located visible in the background.		 A wide-angle photograph of a grassy field. A yellow arrow points from a yellow box labeled "SP25-2" to a distant treed area in the background. Another yellow arrow points from a yellow box labeled "SP25-3" to a grassy area in the foreground. In the background, there are utility poles, a fence, and a construction crane under a cloudy sky.



Appendix B – ALS Certificates of Analyses



CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: WP2511636		
Client	: AECOM Canada ULC	Laboratory	: ALS Environmental - Winnipeg
Contact	: Jared Wiens	Account Manager	: Judy Dalmajjer
Address	: 99 Commerce Drive	Address	: 1329 Niakwa Road East, Unit 12
	: Winnipeg Manitoba Canada R3P 0Y7		: Winnipeg MB Canada R2J 3T4
Telephone	: ----	Telephone	: +1 204 255 9720
Project	: 60705950 Task 104	Date Samples Received	: 23-Jul-2025 08:16
PO	: ----	Date Analysis Commenced	: 24-Jul-2025
C-O-C number	: ----	Issue Date	: 31-Jul-2025 14:13
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Standing offer		
No. of samples received	: 34		
No. of samples analysed	: 34		

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
- Guideline Comparison

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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Amaninder Dhillon		Organics, Waterloo, Ontario
Andrew Beckett		Organics, Winnipeg, Manitoba
Greg Pokocky		Metals, Waterloo, Ontario
Jon Fisher		Metals, Waterloo, Ontario
Livia Ciolan		Organics, Winnipeg, Manitoba
Manjit Brar		Organics, Winnipeg, Manitoba
Min-Xian Ngae		Organics, Winnipeg, Manitoba
Nik Perkio		Metals, Waterloo, Ontario
Ryan Velasco		Organics, Winnipeg, Manitoba
Walt Kippenhuck		Metals, Waterloo, 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.

Additional information pertinent to this report will be found in the following separate attachments: Quality Control Report, QA/QC Compliance Assessment to assist with Quality Review and Sample Receipt Notification.

When sampling time information is not provided by the client, sampling dates are shown without a time component. In these instances, the time component has been assumed by the laboratory for processing purposes.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information. Guidelines are not adjusted for the hardness, pH or temperature of the sample (the most conservative values are used). Measurement uncertainty is not applied to test results prior to comparison with specified criteria values.

Key: CAS Number: Chemical Abstracts Services number is a unique identifier assigned to discrete substances.

LOR: Limit of Reporting (detection limit).

Unit	Description
-	no units
%	percent
mg/kg	milligrams per kilogram

>: greater than.

<: less than.

Red shading is applied where the result or the LOR is greater than the Guideline Upper Limit (or lower than the Guideline Lower Limit, if applicable).

For drinking water samples, Red shading is applied where the result for E.coli, fecal or total coliforms is greater than or equal to the Guideline Upper Limit.

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
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
DUPH	Duplicate results outside ALS DQO, due to sample heterogeneity.
EMPC	Estimated Maximum Possible Concentration. The EDL for the analyte was raised due to interference or positive identification criteria failure.
FR4	As per applicable reference method(s), soil:water ratio for Fixed Ratio Leach was modified to 1:4 due to high soil organic content.
SLMI	Surrogate recovery was outside ALS DQO (Low) due to Matrix Interference



Analytical Results

SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID		SP25-1-1							
		Client sampling date / time		22-Jul-2025 00:00							
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-001						
Physical Tests											
Moisture	----	E144/WP	0.25	%	17.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.59	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.55	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	169	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.89	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	20.7	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.90	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.514	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	57.5	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.4	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	31.2	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	31.2	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.194	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.49	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	30.7	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.39	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.86	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.275	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	2.06	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	68.4	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	99.8	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.12	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	51	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-1

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-001						
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	92.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	96.5	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	119	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	127	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	<0.0040	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.013 DUPH	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.011 DUPH	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	<0.020	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	<0.150	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	<0.140	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-1					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-001	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	95.0	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	98.2	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	102	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	99.3	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-002						
Physical Tests											
Moisture	----	E144/WP	0.25	%	15.7	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.67	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.62	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	249	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.86	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	21.8	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.72	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.434	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	54.6	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.2	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	30.4	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	31.4	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.210	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.52	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	30.2	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.24	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.72	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.267	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.50	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	66.5	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	102	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.23	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	80	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	80	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-002	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	80	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	99.6	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	87.2	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	104	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	106	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0075	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.022	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.026	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.031	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.045	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.022	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.028	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.046	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.022	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.012	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.031	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.039	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.040	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.465	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.216	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.308	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.294	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-2					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-002	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	93.5	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	94.0	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	98.8	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	98.4	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-3

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-003						
Physical Tests											
Moisture	----	E144/WP	0.25	%	15.5	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.73	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	7.31	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	194	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	1.01	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	27.2	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.88	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.518	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	65.0	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.7	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	33.0	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	35.8	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.201	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.70	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	32.8	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.26	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	1.06	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.317	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.06	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	74.4	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	115	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.34	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	101	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	54	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	155	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-3

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-003	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	155	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	93.0	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	87.3	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	87.9	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	82.4	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0081	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0132	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.039	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.045	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.054	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.075	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.035	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.021	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.049	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0078	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.085	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.032	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.012	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.057	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.074	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.068	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.783	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.390	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.533	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.520	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-3					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-003	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	91.8	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	92.2	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	96.7	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	97.2	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-4

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-004						
Physical Tests											
Moisture	----	E144/WP	0.25	%	15.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.49	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.80	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	166	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.82	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	20.6	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.71	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.353	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	48.1	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.8	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	28.6	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	21.6	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.108	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.44	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	31.7	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.21	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.45	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.269	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.54	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	68.5	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	126	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.29	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-4

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-004	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	97.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	91.2	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	84.6	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	91.8	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0097	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.025	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.028	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.033	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.047	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.021	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.030	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.057	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.019	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.037	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.047	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.040	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.480	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.234	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.338	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.321	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	91.8						
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	91.9						
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	96.7						
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	96.3						

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-5

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-005						
Physical Tests											
Moisture	----	E144/WP	0.25	%	16.3	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.35	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.29	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	176	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.84	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	21.9	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.80	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.311	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	40.7	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.1	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	24.2	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	12.8	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0462	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.53	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	30.1	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	<0.20	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.18	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.256	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.39	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	67.9	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	70.5	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.17	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	75	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-5

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-005						
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	95.9	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	93.9	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	92.2	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	94.3	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	<0.0040	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	<0.020	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	<0.150	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	<0.140	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-005	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	88.9	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	90.8	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	95.8	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	95.1	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-6

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-006						
Physical Tests											
Moisture	----	E144/WP	0.25	%	14.4	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	7.11	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	162	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.86	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	19.5	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.43	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.308	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	41.5	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.9	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	28.5	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	19.0	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.119	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.55	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	32.2	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	<0.20	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.34	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.266	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.16	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	63.8	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	86.6	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.23	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-6

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-006	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	89.9	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	79.1	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	100	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	107	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0115	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0076	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0299	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.094	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.112	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.117	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.166	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.085	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.049	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.105	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0188	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.189	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.076	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.109	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.181	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.166	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	1.80	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.16	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.868	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	1.20	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	1.19	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-6					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-006	----	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		90.0	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		88.8	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.0	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		93.5	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-7

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-007						
Physical Tests											
Moisture	----	E144/WP	0.25	%	18.9	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.96	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	175	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.89	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	20.0	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.62	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.337	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	44.9	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	11.3	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	27.0	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	17.3	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0667	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.44	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	32.5	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	<0.20	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.27	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.276	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.68	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	68.2	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	84.2	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.20	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	56	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-7

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-007	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	97.0	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	90.1	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	81.6	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	81.4	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0160	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.018	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.122	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.268	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.253	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.312	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.440	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.145	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.128	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.276	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0390	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.718	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.021	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.163	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.488	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.549	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.383	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	4.63	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.21	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.40	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.75	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	3.50	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	3.50	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-7					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-007					
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	93.2						
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	93.7						
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	98.1						
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	97.8						

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-8

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-008						
Physical Tests											
Moisture	----	E144/WP	0.25	%	14.8	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.44	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.28	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	172	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.85	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	21.3	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.74	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.294	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	40.0	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.0	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	25.2	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	17.0	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0893	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.65	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	30.6	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.22	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.27	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.253	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.55	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	61.6	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	72.4	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.18	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	76	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	76	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-8

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-008						
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	76	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	104	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	96.3	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	108	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	112	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0449	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0060	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.020	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0846	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.161	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.152	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.183	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.258	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.079	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.075	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.188	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0259	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.428	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.067	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.088	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.013	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.031	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.018	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.024	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.479	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.334	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.231	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	2.76	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.12	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.24	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.01	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	2.42	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	2.42	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-1-8						
		Client sampling date / time			22-Jul-2025 00:00						
					WP2511636-008	----	----	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	89.3	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	89.2	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	92.5	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	93.1	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-9

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-009						
Physical Tests											
Moisture	----	E144/WP	0.25	%	14.8	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	1.12	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.73	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	179	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.86	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	22.8	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.67	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.376	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	47.6	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	11.2	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	28.8	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	28.7	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0987	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.59	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	33.4	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	<0.20	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.40	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.271	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.70	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	67.5	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	84.5	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.26	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	88	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	88	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-1-9						
		Client sampling date / time			----						
					22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-009	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	88	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	92.3	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	88.1	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	125	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	92.2	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0058	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0286	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0571	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.039	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.053	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.059	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.083	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.085	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.024	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.050	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0111	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.090	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.059	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.062	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.076	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.084	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.886	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.484	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.716	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.711	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID SP25-1-9 ----						
					Client sampling date / time 22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-009	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	95.1	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	94.3	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	98.5	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	98.4	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-10

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-010						
Physical Tests											
Moisture	----	E144/WP	0.25	%	13.9	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.61	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	160	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.75	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	19.6	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.49	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.308	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	37.2	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.1	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	25.2	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	17.8	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0899	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.57	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	29.2	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.21	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.28	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.250	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.56	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	59.1	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	81.3	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.13	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	103	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	54	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	157	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-10

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-010	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	157	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	91.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	95.3	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	99.7	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	96.5	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0364	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0746	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.152	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.146	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.172	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.247	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.086	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.075	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.159	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0236	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.377	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.030	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.091	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.287	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.295	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.221	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	2.62	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.12	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.23	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	1.58	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	2.01	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	2.00	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-10					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-010		----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit			----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	92.4		----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	91.7		----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	95.0		----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	95.6		----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-11

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-011						
Physical Tests											
Moisture	----	E144/WP	0.25	%	13.9	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.68	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	7.02	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	175	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.82	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	22.5	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.66	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.406	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	46.0	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.2	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	33.7	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	30.7	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.146	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.71	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	30.6	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.24	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.43	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.244	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.66	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	66.4	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	97.6	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.14	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	109	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	61	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	170	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-1-11						
		Client sampling date / time			----						
					22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-011	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	170	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	91.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	90.3	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	101	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	94.8	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0115	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0128	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0316	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.075	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.085	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.109	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.155	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.066	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.046	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.094	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0172	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.198	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.065	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.158	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.157	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.133	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	1.58	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.14	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.876	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	1.15	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	1.15	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-11					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-011					
Analyte	CAS Number	Method/Lab	LOR	Unit		----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	90.9	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	89.0	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	94.1	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	94.5	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-12

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-012						
Physical Tests											
Moisture	----	E144/WP	0.25	%	15.1	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.65	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.00	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	164	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.80	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	20.5	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.11	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.371	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	47.0	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.19	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	25.6	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	24.4	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.109	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.44	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	27.6	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.23	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.38	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.236	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.24	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	60.5	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	77.6	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.26	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	132	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	92	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	224	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-12

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-012	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	224	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	89.1	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	89.0	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	87.9	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	89.8	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0054	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0150	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.040	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.044	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.053	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.075	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.039	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.022	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.052	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0082	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.093	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.035	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.061	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.078	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.068	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.788	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.397	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.558	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.546	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates					SP25-1-12	----					
					22-Jul-2025 00:00						
					WP2511636-012	----	----	----	----	----	----
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	80.5	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	81.0	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	84.7	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	84.7	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-13

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-013						
Physical Tests											
Moisture	----	E144/WP	0.25	%	14.7	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.91	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	7.17	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	204	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.78	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	21.1	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.84	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	1.17	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	108	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.94	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	50.3	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	52.6	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.567	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.64	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	32.8	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.34	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	2.57	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.271	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.80	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	62.6	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	160	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.27	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	177	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	110	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	287	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-13

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-013	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	287	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	93.2	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	90.8	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	94.3	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	96.3	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0153	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0076	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0396	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.122	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.129	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.152	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.214	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.092	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.062	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.140	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0223	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.250	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.019	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.087	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.048	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.034	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.016	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.172	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.219	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.196	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	2.26	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.20	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	1.18	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	1.54	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	1.54	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-13					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-013	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	91.3	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	89.3	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	94.3	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	94.8	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-14

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-014						
Physical Tests											
Moisture	----	E144/WP	0.25	%	11.8	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.20	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	3.22	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	100	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.40	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.3	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.148	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	23.2	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	5.75	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	14.4	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	7.70	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0286	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.36	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	16.8	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.21	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.11	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.144	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	0.893	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	34.0	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	37.1	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.12	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	84	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	84	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-1-14						
		Client sampling date / time			22-Jul-2025 00:00						
		WP2511636-014									
Analyte	CAS Number	Method/Lab	LOR	Unit							
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	84	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	90.8	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	76.2	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	87.4	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	91.1	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0088	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.024	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.025	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.033	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.046	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.018	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.013	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.030	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0051	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.063	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.019	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.042	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.050	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.039	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.474	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.248	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.346	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.331	----	----	----	----	----	----



SubMatrix: Soil/Solid

(Matrix: Soil/Solid)

Client sample ID

SP25-1-14

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-014	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	94.7	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	91.6	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	95.8	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	96.9	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-15

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-015						
Physical Tests											
Moisture	----	E144/WP	0.25	%	18.4	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.38	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.70	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	172	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.97	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	22.2	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.47	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.265	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	50.2	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	14.4	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	30.5	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	15.1	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0534	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.75	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	38.4	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.51	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.24	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.328	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.60	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	72.5	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	84.6	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.21	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	87	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	56	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	143	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID		SP25-1-15							
		Client sampling date / time		22-Jul-2025 00:00							
		WP2511636-015									
Analyte	CAS Number	Method/Lab	LOR	Unit							
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	143	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	88.5	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	99.8	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	91.8	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	90.0	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0161	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0131	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0334	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.057	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.064	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.079	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.109	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.048	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.030	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.064	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0104	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.155	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.016	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.047	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.029	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.152	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.135	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.097	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	1.13	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.756	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.949	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.949	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-15					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-015	----	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		93.5	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		91.4	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.8	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		95.9	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-16

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-016						
Physical Tests											
Moisture	----	E144/WP	0.25	%	13.6	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.44	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	5.50	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	139	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.65	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	19.4	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.66	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.346	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	40.9	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	8.66	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	24.2	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	15.3	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0928	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.58	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	25.9	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.24	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.40	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.221	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.11	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	53.7	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	70.0	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.13	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	79	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	54	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	133	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-1-16

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-016	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	133	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	99.3	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	88.2	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	86.1	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	87.6	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0073	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0206	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.047	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.051	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.056	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.080	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.036	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.024	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.050	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0080	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.109	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.036	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.087	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.092	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.076	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.857	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.472	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.636	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.624	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-16					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-016	----	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		93.5	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		90.3	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.3	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		96.5	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-2-1

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-017						
Physical Tests											
Moisture	----	E144/WP	0.25	%	10.1	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.30	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.77	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	172	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	15.5	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.310	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	18.4	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	6.94	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	15.5	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	8.89	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0379	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.39	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	18.5	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.36	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.204	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.13	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	38.2	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	60.3	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	62	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	55	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	117	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-2-1

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-017	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	117	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	87.9	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	84.8	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	72.0	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	76.0	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0051	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0095 EMPC	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.017	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.016	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.027	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.037	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.013	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.010	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.026	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.054	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.039	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.038	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.026	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.356	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.205	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	0.284	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	0.269	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID SP25-2-1 ----						
					Client sampling date / time 22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-017	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	95.8	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	92.4	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	97.2	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	98.2	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-2-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-018	----	----	----	----	----	----
Physical Tests											
Moisture	----	E144/WP	0.25	%	11.0	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.32	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	7.03	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	187	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.50	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.0	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.312	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	19.3	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	7.20	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	15.6	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	9.10	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0347	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.43	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	19.0	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.39	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.221	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.19	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	39.9	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	61.7	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	61	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-2-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-018	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	90.1	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	85.2	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	92.2	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	90.7	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	<0.0040	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.010	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.012	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.010	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	<0.020	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	<0.150	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	<0.140	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-018	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	90.2	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	86.8	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	91.5	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	93.4	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-1

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-019						
Physical Tests											
Moisture	----	E144/WP	0.25	%	14.8	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	1.11	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	7.84	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	228	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.78	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	16.9	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.60	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	2.10	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	177	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.2	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	67.6	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	76.3	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	1.16	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.97	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	36.1	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.43	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	5.06	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.268	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.73	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	57.1	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	215	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.65	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	295	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	179	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	660	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-3-1						
		Client sampling date / time			----						
					22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-019	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	474	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	474	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	90.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	96.0	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	79.4	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	77.6	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0110	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0143	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0327	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.075	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.088	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.110	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.155	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.103	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.045	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.091	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0181	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.172	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.014	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.080	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.015	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.057	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.042	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.018	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.128	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.150	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.139	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	1.60	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.14	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.854	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	1.15	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	1.15	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-1					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-019	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	95.5	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	92.4	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	97.6	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	98.4	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-020						
Physical Tests											
Moisture	----	E144/WP	0.25	%	15.4	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	3.62	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	12.7	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	418	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.75	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	16.2	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.81	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	10.4	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	744	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	7.93	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	253	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	348	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	6.03	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.82	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	55.8	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.15	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	23.4	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.335	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	4.29	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	44.8	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	937	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.92	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.036	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	802	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	485	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	1590	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-020	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	1290	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	1290	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	89.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	59.1 SLM	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	71.3	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	70.3	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0506	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0448	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.033 EMPC	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.131	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.351	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.407	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.523	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.734	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.414	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.211	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.422	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0786	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.771	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.058	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.343	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.069	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.239	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.170	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.073	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.583	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.678	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.637	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	7.48	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.34	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.66	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	3.82	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	5.14	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	5.14	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-2					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-020	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	91.5	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	87.7	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	94.7	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	95.7	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-3

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-021						
Physical Tests											
Moisture	----	E144/WP	0.25	%	17.0	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	5.53	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	18.9	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	574	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.82	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.8	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	2.43 DLM, FR4	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	15.8	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	1080	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.7	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	349	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	496	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	8.03	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.97	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	79.2	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.64	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	34.9	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.426	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	4.57	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	53.6	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1450	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.54	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	0.019	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	0.097	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.056	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	0.056	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	0.17	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<6.3	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	29	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	2620	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1550	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	5510	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-3

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-021						
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	4200						
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	4170						
F1-BTEX	----	EC580/WP	5.0	mg/kg	<6.3						
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	102						
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	83.2						
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	89.6						
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	85.1						
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0456						
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0384 DLM						
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.038 DLM						
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.117						
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.302						
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.388						
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.503						
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.716						
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.504						
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.213						
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.400						
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0842						
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.678						
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.050						
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.384						
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.108						
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.422						
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.314						
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.136						
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.554						
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.617						
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.038 DLM						
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.621						
IACR (CCME)	----	E641A-L/WT	0.150	-	7.21						
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.34						
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.64						
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	3.68						
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	4.98						
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	4.98						



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-021	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	81.8	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	84.6	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	94.8	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	94.6	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-4

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-022						
Physical Tests											
Moisture	----	E144/WP	0.25	%	15.3	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	5.01	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	16.7	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	552	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.79	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	18.4	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.32	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	13.8	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	1040	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.04	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	337	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	449	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	7.66	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.53	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	73.6	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.55	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	30.8	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.371	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	4.41	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	50.0	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1250	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.18	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	0.091	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.032	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	0.12	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	1040	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	617	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	1920	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-4

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-022	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	1660	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	1660	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	94.4	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	75.9	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	117	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	126	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.351	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.135	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.164	EMPC	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	1.28	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	2.10	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	1.68	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	2.07	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	2.97	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.904	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.898	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	2.16	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.293	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	4.79	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.733	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.989	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.207	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.606	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.399	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.756	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	5.03	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	3.77	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.034	DLM	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	2.61	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	32.2	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	1.48	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	2.81	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	23.5	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	27.9	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	27.9	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID SP25-3-4 ----						
					Client sampling date / time 22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-022	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	82.4	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	87.3	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	95.2	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	93.8	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-5

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-023						
Physical Tests											
Moisture	----	E144/WP	0.25	%	16.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	3.28	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	12.6	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	394	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.92	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	22.4	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.15	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	8.12	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	598	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	11.4	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	206	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	258	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	3.76	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.94	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	60.0	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.05	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	18.0	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.374	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.14	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	66.8	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	749	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.83	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.1	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	775	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	439	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	1570	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-5

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-023						
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	1210						
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	1210						
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.1						
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	98.6						
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	70.4						
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	115						
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	121						
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0380 DLM						
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0380 DLM						
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.038 DLM						
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	<0.0380 DLM						
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.091						
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.112						
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.155						
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.207						
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.146						
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.052						
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.100						
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0380 DLM						
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.184						
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.038 DLM						
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.117						
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.051						
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.200						
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.149						
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.050						
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.122						
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.158						
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.038 DLM						
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.158						
IACR (CCME)	----	E641A-L/WT	0.150	-	2.00						
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10						
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.17						
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	0.966						
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	1.30						
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	1.29						



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates					WP2511636-023	----	----	----	----	----	----
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	86.9	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	90.8	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	95.3	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	96.5	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-6

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-024						
Physical Tests											
Moisture	----	E144/WP	0.25	%	17.9	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.21	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	15.8	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	508	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.87	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	18.6	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.17	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	12.7	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	837	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.6	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	292	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	386	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	6.02	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.37	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	70.7	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.28	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	28.5	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.412	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.94	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	57.6	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	986	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.78	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.033	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.6	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	2000	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1280	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	4780	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-6

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-024						
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	3280						
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	3280						
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.6						
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	89.4						
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	79.9						
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	124						
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	124						
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0398 DLM						
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0398 DLM						
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.040 DLM						
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0422						
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.143						
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.211						
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.289						
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.389						
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.293						
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.100						
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.184						
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0398 DLM						
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.275						
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.040 DLM						
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.221						
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.056						
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.241						
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.185						
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.081						
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.214						
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.253						
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.040 DLM						
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.294						
IACR (CCME)	----	E641A-L/WT	0.150	-	3.66						
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.17						
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.32						
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	1.59						
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	2.32						
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	2.31						



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-024	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	89.2	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	92.1	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	101	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	98.2	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-7

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-025						
Physical Tests											
Moisture	----	E144/WP	0.25	%	16.0	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.86	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	14.7	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	509	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.80	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.6	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.44	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	12.5	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	835	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.98	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	292	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	395	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	5.93	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.20	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	69.8	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.39	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	27.8	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.416	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	4.04	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	51.9	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1070	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.17	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.033	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	934	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	571	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	2190	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-7

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-025	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	1500	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	1500	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	87.8	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	78.6	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	105	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	110	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.0392	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0380 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0722	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.241	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.290	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.395	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.570	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.326	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.175	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.320	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0544	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.546	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.042	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.278	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.060	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.238	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.178	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.076	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.450	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.472	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.460	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	5.62	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.27	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.51	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.78	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	3.78	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	3.78	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates					SP25-3-7	----					
					22-Jul-2025 00:00						
					WP2511636-025	----	----	----	----	----	----
						----	----	----	----	----	----
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	78.4	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	87.0	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	96.8	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	96.4	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-8

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-026						
Physical Tests											
Moisture	----	E144/WP	0.25	%	20.3	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	3.87	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	13.8	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	476	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.76	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.7	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	2.32 DLM, FR4	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	11.4	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	747	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.42	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	273	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	349	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	5.36	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.10	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	64.8	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.19	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	28.6	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.395	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.63	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	50.8	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1200	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.20	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	1750	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1040	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	3580	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-8

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-026	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	2790	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	2790	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	85.3	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	70.1	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	78.6	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	74.0	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0405 DLM	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0405 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0816	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.258	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.328	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.439	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.606	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.484	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.167	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.335	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0633	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.579	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.332	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.069	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.264	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.195	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.081	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.393	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.522	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.519	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	6.08	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.28	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.53	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.84	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	4.07	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	4.06	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-8					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-026	----	----	----	----	----
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		86.7	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		90.2	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.4	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		99.2	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-9

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-027						
Physical Tests											
Moisture	----	E144/WP	0.25	%	18.5	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.56	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	13.2	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	477	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.73	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	15.8	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.83 DLM, FR4	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	12.1	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	771	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.16	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	286	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	363	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	5.60	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.85	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	65.5	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.22	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	25.7	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.403	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.72	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	47.7	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1010	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.13	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.039	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.9	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	2240	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1480	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	3760	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-3-9						
		Client sampling date / time			22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-027	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	3740	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	3720	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.9	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	102	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	74.7	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	82.9	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	86.9	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0386 DLM	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0386 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0591	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.202	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.265	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.330	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.464	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.373	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.134	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.260	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0421	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.441	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.262	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.067	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.276	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.209	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.090	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.359	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.394	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.406	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	4.69	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.22	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.41	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.32	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	3.22	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	3.21	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID SP25-3-9 ----						
					Client sampling date / time 22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-027	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	82.5	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	84.2	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	97.0	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	95.1	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-10

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-028						
Physical Tests											
Moisture	----	E144/WP	0.25	%	18.1	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.18	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	14.1	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	491	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.80	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	18.9	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.55	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	11.8	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	786	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.58	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	275	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	355	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	5.18	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.72	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	64.9	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.20	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	28.0	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.404	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.58	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	52.2	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	986	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.16	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	1440	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	951	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	3180	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-10

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-028	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	2390	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	2390	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	84.7	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	73.8	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	103	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	107	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0396 DLM	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0396 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0782	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.251	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.309	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.433	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.605	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.378	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.172	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.318	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0640	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.578	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.051	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.322	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.068	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.265	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.197	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.090	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.452	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.506	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.498	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	5.98	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.28	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.53	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.89	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	4.01	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	4.00	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-10					
					Client sampling date / time	22-Jul-2025 00:00					
						WP2511636-028					
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	86.4	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	87.8	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	99.4	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	97.1	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-11

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-029	----	----	----	----	----	----
Physical Tests											
Moisture	----	E144/WP	0.25	%	22.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	5.88	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	16.3	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	570	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.73	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.6	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	2.18 DLM, FR4	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	16.4	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	1040	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	8.37	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	357	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	481	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	7.50	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.19	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	75.4	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.59	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	34.5	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.469	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	4.35	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	46.8	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1300	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.052	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	0.052	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.6	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	36	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	2720	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1770	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	5870	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)		Client sample ID			SP25-3-11						
		Client sampling date / time			----						
					22-Jul-2025 00:00						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-029	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	4530	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	4490	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.6	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	78.9	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	79.0	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	87.5	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	90.2	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0421 DLM	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0423	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.042 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0636	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.241	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.349	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.460	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.616	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.562	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.156	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.329	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0865	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.458	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.042 DLM	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.381	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.108	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.462	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.354	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.142	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.370	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.436	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.042 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.568	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	6.28	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.27	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.52	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.87	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	4.08	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	4.08	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-11					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-029	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	95.3	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	82.4	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	93.2	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	99.6	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-12

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-030						
Physical Tests											
Moisture	----	E144/WP	0.25	%	19.0	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	6.09	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	16.5	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	502	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.78	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	21.1	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.88	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	15.8	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	985	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.14	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	330	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	481	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	7.06	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	2.89	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	73.4	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.52	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	35.0	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.477	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	4.33	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	52.8	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1230	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.11	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.052	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	0.052	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	38	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	2650	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1600	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	5790	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-12

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-030	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	4290	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	4250	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	82.1	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	51.2 SLM	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	84.2	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	84.5	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0400 DLM	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0400 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	<0.0400 DLM	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.127	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.196	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.251	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.343	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.267	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.092	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.168	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0455	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.251	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.226	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.132	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.132	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.050	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.156	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.234	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.040 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.315	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	3.46	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.16	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.30	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	1.36	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	2.08	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	2.06	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-12					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-030	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	85.6	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	88.3	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	91.7	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	95.7	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-13

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-031						
Physical Tests											
Moisture	----	E144/WP	0.25	%	17.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.69	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	15.4	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	544	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.77	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	19.0	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.72	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	12.3	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	835	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.85	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	286	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	391	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	6.37	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.90	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	69.4	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.37	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	29.2	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.427	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.94	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	55.2	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1200	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.46	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	30	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	1430	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	855	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	3000	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

SP25-3-13

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-031	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	2320	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	2280	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.3	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	77.0	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	70.5	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	88.2	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	90.3	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.144	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0392 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.053 EMPC	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.326	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.500	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.448	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.567	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.802	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.373	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.235	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.598	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0782	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	1.06	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.206	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.330	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.130	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.385	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.255	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.175	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	1.37	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.969	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.039 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.699	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	8.54	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.39	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.74	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	6.13	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	7.38	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	7.38	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-3-13					
					Client sampling date / time	22-Jul-2025 00:00					
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-031	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	85.6	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	89.1	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	93.6	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	93.2	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

DUP-1

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-032						
Physical Tests											
Moisture	----	E144/WP	0.25	%	18.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.81	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	14.3	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	500	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.82	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	18.7	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.24	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	11.9	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	779	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.57	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	288	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	391	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	5.69	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.96	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	66.7	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.32	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	32.4	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.436	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.91	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	51.7	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1000	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.28	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	0.040	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	33	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	1800	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	1090	----	----	----	----	----	----
F4G-sg	----	E601.F4G/WP	500	mg/kg	3900	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

DUP-1

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-032	----	----	----	----	----	----
Hydrocarbons											
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	2920	----	----	----	----	----	----
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	2890	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	84.0	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	44.5 SLM	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	73.4	----	----	----	----	----	----
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	78.2	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0376 DLM	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0376 DLM	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	0.0657	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	0.193	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	0.244	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.336	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.461	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.334	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	0.125	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	0.259	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.0582	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.420	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	0.267	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.081	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.306	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.225	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.072	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	0.317	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.375	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.038 DLM	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	0.400	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	4.65	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	0.21	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	0.40	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	2.23	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	3.08	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	3.06	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit							
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	76.0						
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	91.6						
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	96.9						
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	91.1						

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

DUP-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-033						
Physical Tests											
Moisture	----	E144/WP	0.25	%	13.2	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.47	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	5.73	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	152	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.61	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	19.0	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.48	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.374	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	41.6	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	8.85	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	25.7	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	21.3	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.170	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.50	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	25.4	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.22	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.60	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.209	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.34	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	50.4	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	83.1	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	74	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

DUP-2

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-033	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	90.9	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	79.0	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	89.8	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	85.5	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	0.970	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	0.0073	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	0.256 EMPC	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	1.62	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	2.38	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	2.00	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	2.53	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	3.58	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	0.885	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	1.05	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	2.26	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	0.291	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	5.98	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	0.810	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	1.12	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.046	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	0.104	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.058	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.049	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	6.08	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	4.60	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	3.03	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	37.9	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	1.73	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	3.29	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	27.1	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	32.6	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	32.6	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-033	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	92.4	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	89.4	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	93.9	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	95.9	----	----	----	----	----	----

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

No Breaches Found



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

DUP-3

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-034						
Physical Tests											
Moisture	----	E144/WP	0.25	%	10.7	----	----	----	----	----	----
Metals											
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.33	----	----	----	----	----	----
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	8.01	----	----	----	----	----	----
Barium	7440-39-3	E440C/WT	0.50	mg/kg	214	----	----	----	----	----	----
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.56	----	----	----	----	----	----
Boron	7440-42-8	E440C/WT	5.0	mg/kg	17.2	----	----	----	----	----	----
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.61	----	----	----	----	----	----
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.320	----	----	----	----	----	----
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	21.5	----	----	----	----	----	----
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	7.97	----	----	----	----	----	----
Copper	7440-50-8	E440C/WT	0.50	mg/kg	17.3	----	----	----	----	----	----
Lead	7439-92-1	E440C/WT	0.50	mg/kg	9.22	----	----	----	----	----	----
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.0358	----	----	----	----	----	----
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.45	----	----	----	----	----	----
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	21.6	----	----	----	----	----	----
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.40	----	----	----	----	----	----
Silver	7440-22-4	E440C/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.243	----	----	----	----	----	----
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	1.24	----	----	----	----	----	----
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	44.7	----	----	----	----	----	----
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	66.6	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	<0.10	----	----	----	----	----	----
Volatile Organic Compounds [Fuels]											
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	----	----	----	----	----	----
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	----	----	----	----	----	----
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	----	----	----	----	----	----
BTEX, total	----	E611A/WP	0.10	mg/kg	<0.10	----	----	----	----	----	----
Hydrocarbons											
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	Yes	----	----	----	----	----	----
F1 (C6-C10)	----	E581.F1/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
F2 (C10-C16)	----	E601.SG/WP	25	mg/kg	<25	----	----	----	----	----	----
F3 (C16-C34)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WP	50	mg/kg	<50	----	----	----	----	----	----
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----



SubMatrix: Soil/Solid
 (Matrix: Soil/Solid)

Client sample ID

DUP-3

Client sampling date / time

22-Jul-2025 00:00

Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-034	----	----	----	----	----	----
Hydrocarbons											
TEH (C16-C50)	----	E601.SG/WP	75	mg/kg	<75	----	----	----	----	----	----
F1-BTEX	----	EC580/WP	5.0	mg/kg	<5.0	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%	87.0	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%	70.0	----	----	----	----	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%	82.7	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%	82.3	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg	<0.0040	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg	0.015	----	----	----	----	----	----
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg	0.015	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg	0.011	----	----	----	----	----	----
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A-L/WT	0.015	mg/kg	<0.015	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.010	----	----	----	----	----	----
B(a)P total potency equivalents [B(a)P TPE]	----	E641A-L/WT	0.020	mg/kg	<0.020	----	----	----	----	----	----
IACR (CCME)	----	E641A-L/WT	0.150	-	0.170	----	----	----	----	----	----
IACR AB (coarse)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
IACR AB (fine)	----	E641A-L/WT	0.10	-	<0.10	----	----	----	----	----	----
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	<0.140	----	----	----	----	----	----
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	<0.040	----	----	----	----	----	----



SubMatrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID						
					Client sampling date / time						
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-034	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates											
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	90.5	----	----	----	----	----	----
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	92.1	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	97.8	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	96.4	----	----	----	----	----	----

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

No Breaches Found



Appendix C – Laboratory Results - Particle Size Analysis



AECOM Canada Ltd.
Winnipeg Geotechnical Laboratory
99 Commerce Drive, Winnipeg, MB R3P 0Y7
Phone: 204 477 5381

Project Name: NEWPCC Biosolids Early Works

Project Number: 60705950

Supplier/Location:

Client: City of Winnipeg

Field Technician: JWiens

Sample Location: SP25-1-1-8

Sample Date: 24-Jul-25

Sample Depth: N/A

Lab Technician: FNovilla

Sample Number: 1

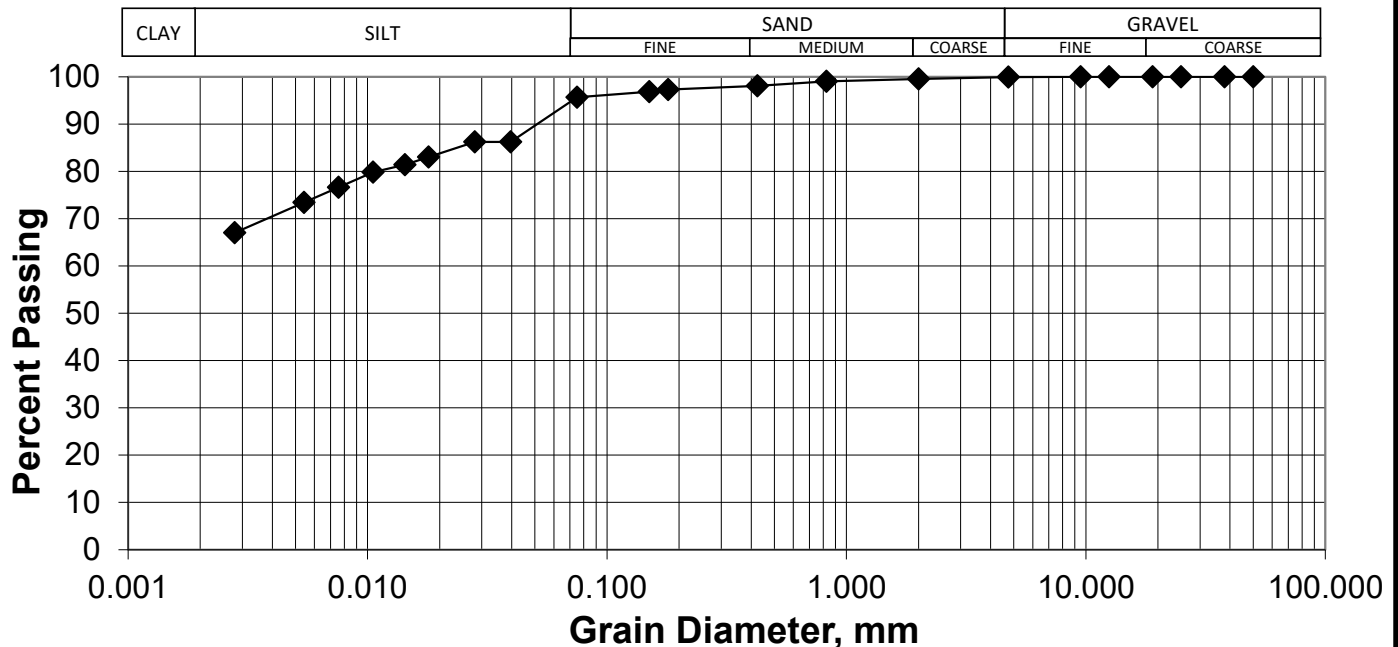
Date Tested: 31-Jul-25

Hydrometer (AASHTO T88)

Standard Test Methods for Particle Size Analysis of Soils

GRAVEL SIZES		SAND SIZES		FINES	
Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing
50.0	100.0	4.75	99.9	0.0750	95.7
38.0	100.0	2.00	99.6	0.0396	86.6
25.0	100.0	0.825	99.0	0.0280	86.6
19.0	100.0	0.425	98.1	0.0180	83.4
12.5	100.0	0.18	97.3	0.0143	81.8
9.5	100.0	0.15	96.9	0.0105	80.2
4.75	99.9	0.075	95.7	0.0076	77.0
				0.0054	73.7
				0.0028	67.3
				0.0020	62.6

GRAIN SIZE DISTRIBUTION CURVE



Gravel	0.1%	Silt	33.1%
Sand	4.2%	Clay	62.6%

Reviewed by: Lee Boughton
Laboratory Manager

Approved by: German Leal, M.Eng., P.Eng.
Geotechnical Discipline Lead



AECOM Canada Ltd.
Winnipeg Geotechnical Laboratory
99 Commerce Drive, Winnipeg, MB R3P 0Y7
Phone: 204 477 5381

Project Name: NEWPCC Biosolids Early Works

Project Number: 60705950

Supplier/Location:

Client: City of Winnipeg

Field Technician: JWiens

Sample Location: SP25-1-9-16

Sample Date: 24-Jul-25

Sample Depth: N/A

Lab Technician: FNovilla

Sample Number: 1

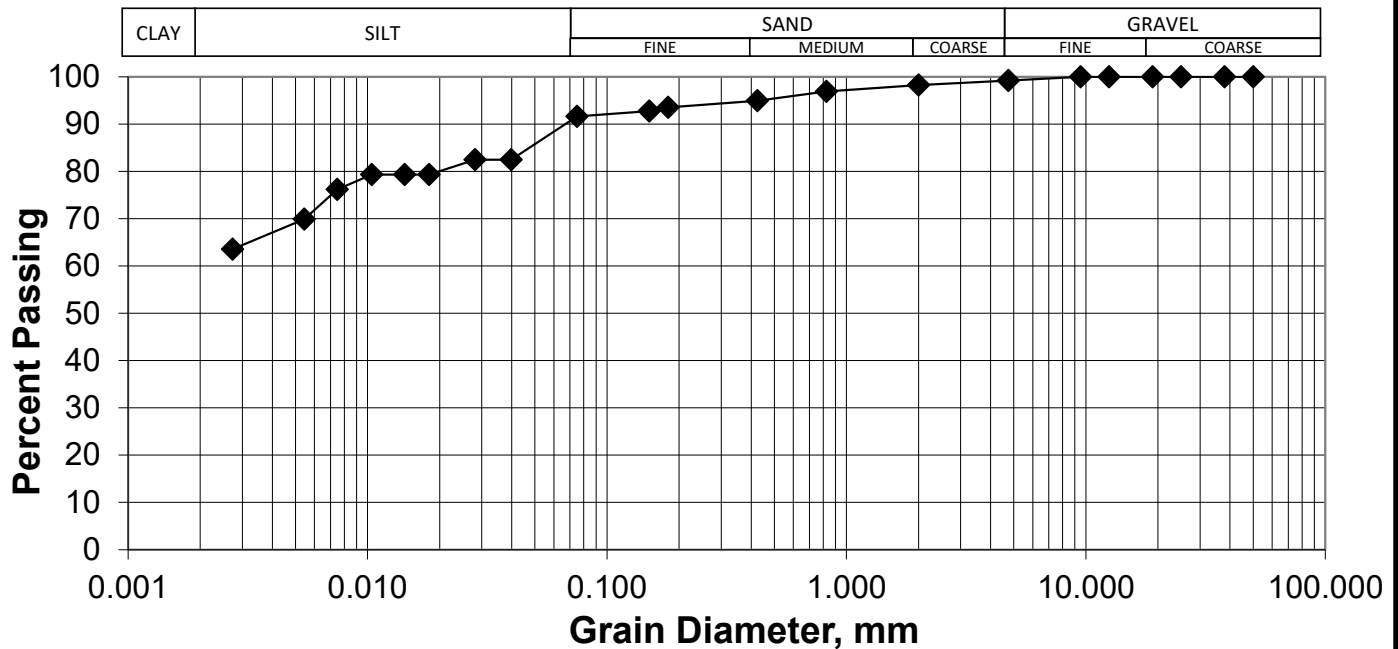
Date Tested: 31-Jul-25

Hydrometer (AASHTO T88)

Standard Test Methods for Particle Size Analysis of Soils

GRAVEL SIZES		SAND SIZES		FINES	
Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing
50.0	100.0	4.75	99.2	0.0750	91.6
38.0	100.0	2.00	98.2	0.0398	84.0
25.0	100.0	0.825	96.9	0.0281	84.0
19.0	100.0	0.425	95.0	0.0181	80.8
12.5	100.0	0.18	93.6	0.0143	80.8
9.5	100.0	0.15	92.8	0.0104	80.8
4.75	99.2	0.075	91.6	0.0075	77.6
				0.0054	71.1
				0.0027	64.7
				0.0020	60.2

GRAIN SIZE DISTRIBUTION CURVE



Gravel	0.8%	Silt	31.5%
Sand	7.6%	Clay	60.2%

Reviewed by: Lee Boughton
Laboratory Manager

Approved by: German Leal, M.Eng., P.Eng.
Geotechnical Discipline Lead



AECOM Canada Ltd.
Winnipeg Geotechnical Laboratory
99 Commerce Drive, Winnipeg, MB R3P 0Y7
Phone: 204 477 5381

Project Name: NEWPCC Biosolids Early Works

Project Number: 60705950

Supplier/Location:

Client: City of Winnipeg

Field Technician: JWiens

Sample Location: SP25-2

Sample Date: 24-Jul-25

Sample Depth: N/A

Lab Technician: FNovilla

Sample Number: 1

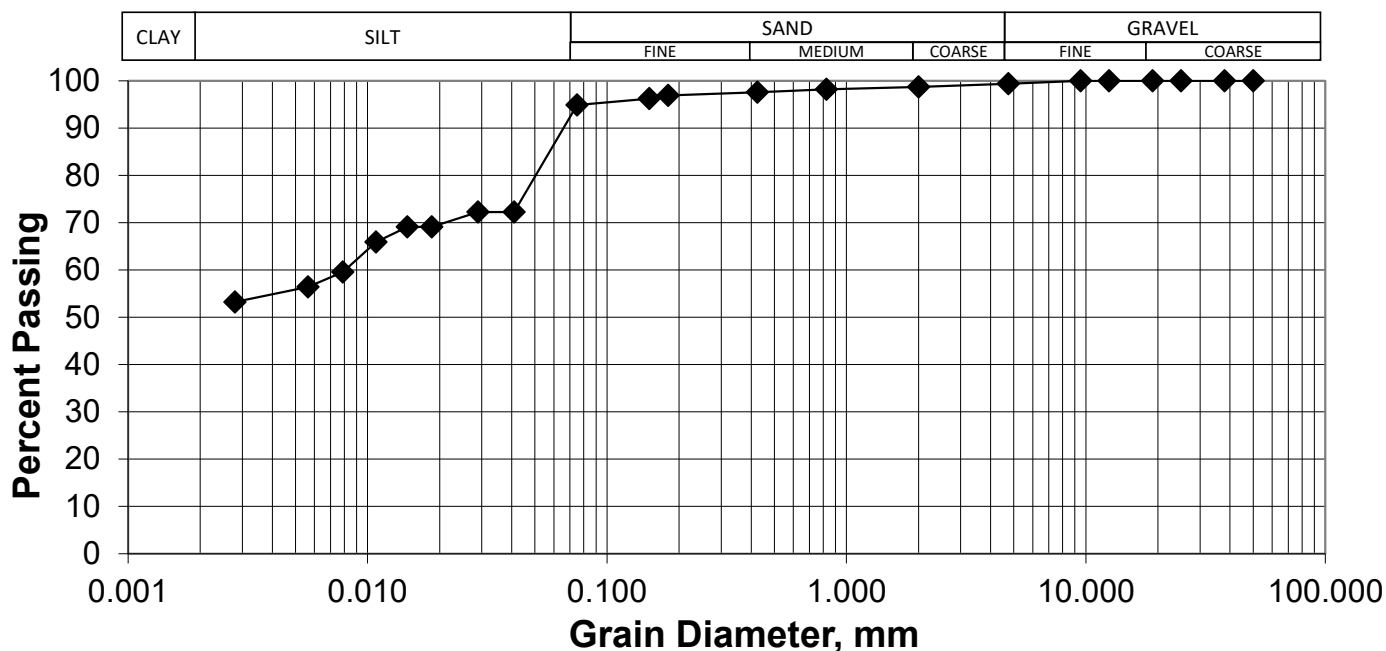
Date Tested: 31-Jul-25

Hydrometer (AASHTO T88)

Standard Test Methods for Particle Size Analysis of Soils

GRAVEL SIZES		SAND SIZES		FINES	
Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing
50.0	100.0	4.75	99.4	0.0750	94.9
38.0	100.0	2.00	98.7	0.0409	73.2
25.0	100.0	0.825	98.2	0.0289	73.2
19.0	100.0	0.425	97.6	0.0185	70.0
12.5	100.0	0.18	96.9	0.0147	70.0
9.5	100.0	0.15	96.2	0.0109	66.8
4.75	99.4	0.075	94.9	0.0079	60.4
				0.0056	57.2
				0.0028	54.0
				0.0020	49.1

GRAIN SIZE DISTRIBUTION CURVE



Gravel	0.6%	Silt	45.8%
Sand	4.5%	Clay	49.1%

Reviewed by: Lee Boughton
Laboratory Manager

Approved by: German Leal, M.Eng., P.Eng.
Geotechnical Discipline Lead



AECOM Canada Ltd.
Winnipeg Geotechnical Laboratory
99 Commerce Drive, Winnipeg, MB R3P 0Y7
Phone: 204 477 5381

Project Name: NEWPCC Biosolids Early Works

Project Number: 60705950

Supplier/Location:

Client: City of Winnipeg

Field Technician: JWiens

Sample Location: SP25-3-1-7

Sample Date: 24-Jul-25

Sample Depth: N/A

Lab Technician: FNovilla

Sample Number: 1

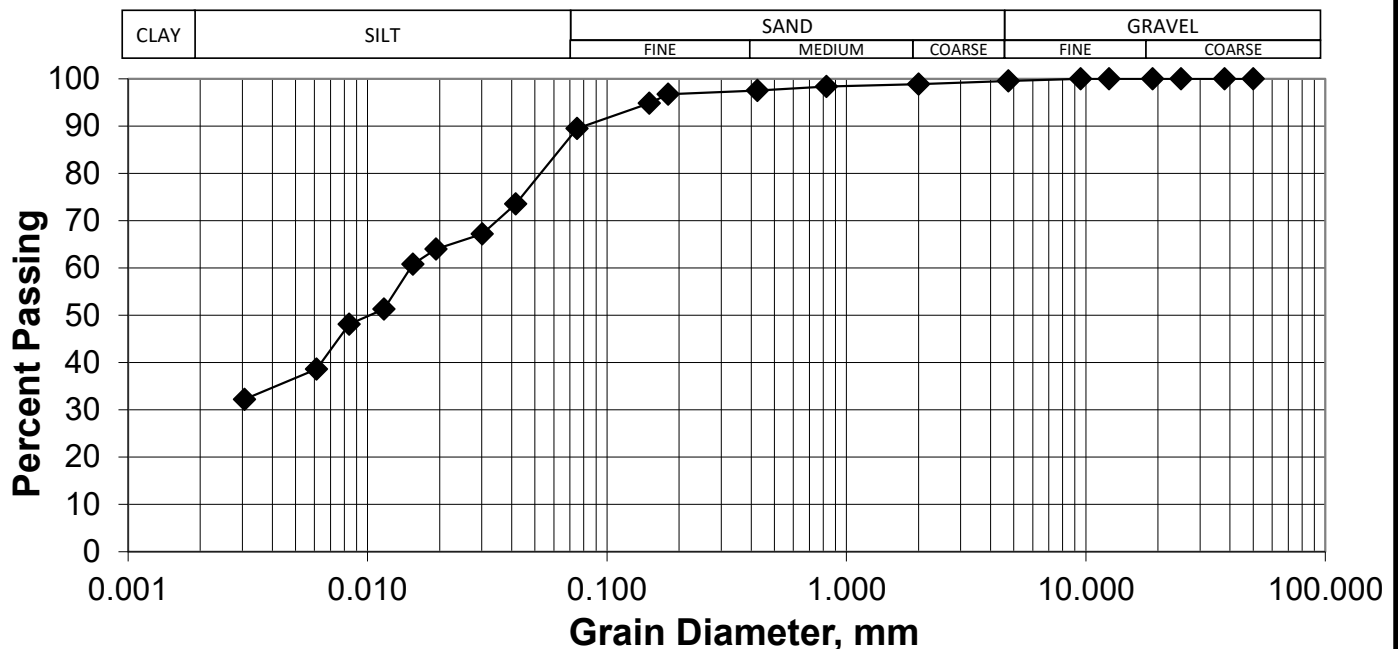
Date Tested: 31-Jul-25

Hydrometer (AASHTO T88)

Standard Test Methods for Particle Size Analysis of Soils

GRAVEL SIZES		SAND SIZES		FINES	
Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing
50.0	100.0	4.75	99.5	0.0750	89.5
38.0	100.0	2.00	98.9	0.0415	74.4
25.0	100.0	0.825	98.4	0.0302	67.9
19.0	100.0	0.425	97.6	0.0193	64.7
12.5	100.0	0.18	96.7	0.0155	61.5
9.5	100.0	0.15	94.8	0.0117	51.9
4.75	99.5	0.075	89.5	0.0084	48.7
				0.0061	39.0
				0.0031	32.6
				0.0020	26.7

GRAIN SIZE DISTRIBUTION CURVE



Gravel	0.5%	Silt	62.7%
Sand	10.1%	Clay	26.7%

Reviewed by: Lee Boughton
Laboratory Manager

Approved by: German Leal, M.Eng., P.Eng.
Geotechnical Discipline Lead



AECOM Canada Ltd.
Winnipeg Geotechnical Laboratory
99 Commerce Drive, Winnipeg, MB R3P 0Y7
Phone: 204 477 5381

Project Name: NEWPCC Biosolids Early Works

Project Number: 60705950

Supplier/Location:

Client: City of Winnipeg

Field Technician: JWiens

Sample Location: SP25-3-8-13

Sample Date: 24-Jul-25

Sample Depth: N/A

Lab Technician: FNovilla

Sample Number: 1

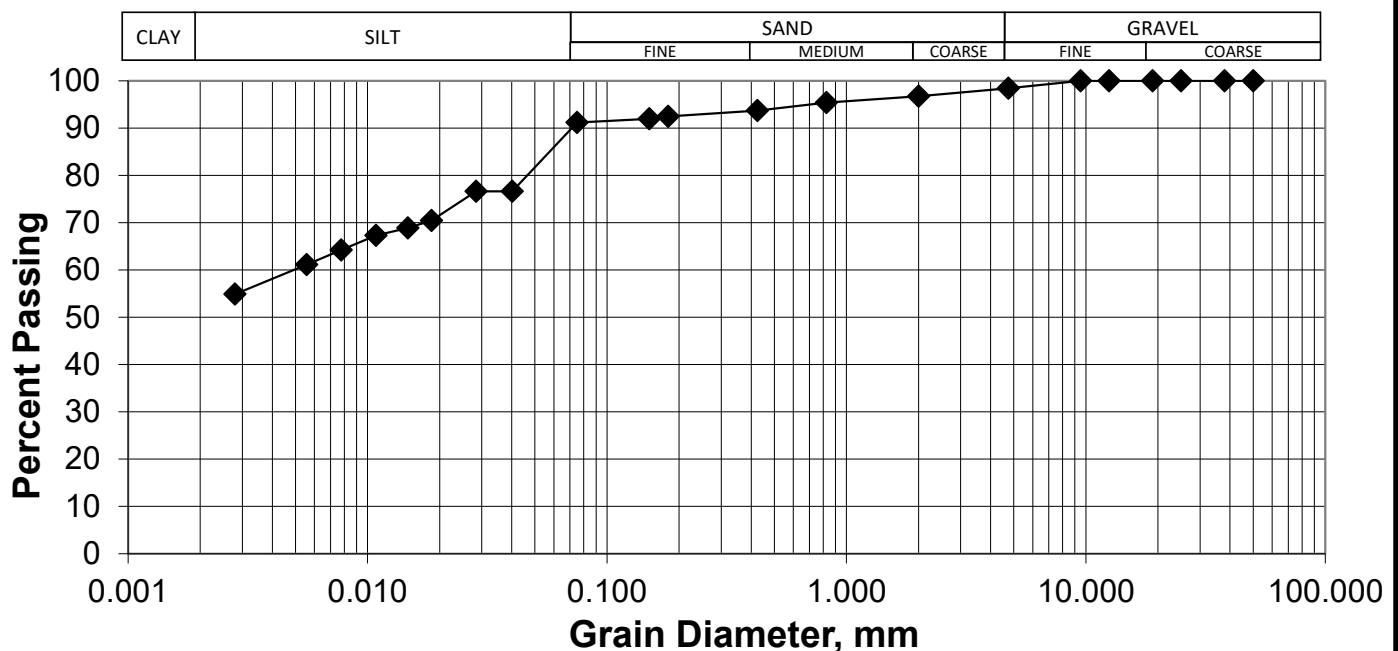
Date Tested: 31-Jul-25

Hydrometer (AASHTO T88)

Standard Test Methods for Particle Size Analysis of Soils

GRAVEL SIZES		SAND SIZES		FINES	
Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing	Grain Size (mm.)	Total Percent Passing
50.0	100.0	4.75	98.4	0.0750	91.2
38.0	100.0	2.00	96.8	0.0402	79.2
25.0	100.0	0.825	95.4	0.0284	79.2
19.0	100.0	0.425	93.7	0.0185	72.8
12.5	100.0	0.18	92.5	0.0147	71.2
9.5	100.0	0.15	92.0	0.0108	69.6
4.75	98.4	0.075	91.2	0.0078	66.4
				0.0056	63.2
				0.0028	56.7
				0.0020	48.6

GRAIN SIZE DISTRIBUTION CURVE



Gravel	1.6%	Silt	42.6%
Sand	7.2%	Clay	48.6%

Reviewed by: Lee Boughton
Laboratory Manager

Approved by: German Leal, M.Eng., P.Eng.
Geotechnical Discipline Lead

To:

Warren Rospad
Manager, Contaminated Sites,
Hazardous Waste,
Petroleum Storage Programs
Environment and Climate Change
Box 36, 14 Fultz Blvd.
Winnipeg, MB R3Y 0L6
P: (204) 330-2685
E: warren.rosnad@gov.mb.ca

August 21, 2025

Stockpiles – CPT ROW
Remediation Plan**Project Reference**
60705950**Remediation Plan for Stockpiles within the Chief Peguis Trail right-of-way (CPT ROW), North End Water Pollution Control Centre, Winnipeg, Manitoba**

1 Introduction

The City of Winnipeg (the City) retained AECOM Canada ULC (AECOM) to complete a Remediation Plan (RP) for impacted soil stockpiles located at the North End Water Pollution Control Centre (NEWPCC) within the Chief Peguis Trail right-of-way (CPT ROW) at 2230 Main Street in Winnipeg, Manitoba (the Site). The purpose of this RP is to notify Manitoba Environment and Climate Change (MECC) of the impacted soil onsite and describe the remedial activities to be undertaken at the Site.

2 Background

2.1 Site Description and Surrounding Land Use

The Site comprises three stockpiles (Stockpiles 1 to 3) that are located north of the NEWPCC facilities in the CPT ROW. They are located on vacant land and bound by residential properties to the north, a City of Winnipeg building and vacant land to the east, NEWPCC facilities to the south and a CPKC rail line and undeveloped land to the west.

Stockpile 1 (SP25-1) is located between a NEWPCC Headworks project stockpile and a treed area to the west, with an estimated volume of 3,000 m³. Note that this volume estimate is approximate given the vegetation cover and uneven surface of the stockpile.

Stockpile 2 (SP25-2) is located in the central portion of the Site within a treed area west of SP25-1. SP25-2 consists of many small stockpiles of similar size (approximately 5 m³ each). There are approximately 40 stockpiles in this area with a total estimated volume of 200 m³; 12 of the stockpiles consisted of clay with one larger clay stockpile in the center of the area (60 m³), approximately 25 of the stockpiles consisted of sand with gravel (125 m³), and three stockpiles consisted of gravel with sand and silt (15 m³). The stockpiles consisting of sand and gravel were generally observed along the border of the treed area and the clay stockpiles were generally observed within the center of the treed area.

Stockpile 3 (SP25-3) is located in the northwest corner of the Site and runs east-west immediately south of the residential houses on Wisteria Way. SP25-3 was surveyed in November 2023 and the estimated volume is 2,500 m³.

The Site is mostly vegetated and can be accessed west from Highland Avenue and Gibbs Street. The Site is zoned as M1-M3 Industrial Land Use (City of Winnipeg, 2025). The Site Plan is shown on **Figure 1**.

2.2 Previous Environmental Activities

On July 22, 2025, AECOM completed stockpile sampling on stockpiles SP25-1 to SP25-3 to characterize the stockpiles to understand if stockpiles could be used as a suitable backfill source during construction at NEWPCC.

SP25-1 and SP25-2 were surveyed by an AECOM surveyor on July 10, 2025, and SP25-3 was surveyed in November 2023. The estimated volume of soil in SP25-1 is approximately 3,000 cubic metres (m³), however due to the depressions and vegetation, the estimate may be slightly inflated.

SP25-2 located within the treed area, consisted of approximately 12 x 5 m³ stockpiles of clay and silt material, to total approximately 60 m³. Samples were only collected from the stockpiles consisting of mostly clay and no samples were collected from the sand or gravel stockpiles. The stockpiles where samples were collected were marked with a stake. SP25-3 located along the northwestern border of the CPT ROW had an estimated volume of 2,500 m³.

Each of the three stockpiles were sectioned off into a grid pattern, with each cell of the grid representing approximately 200 m³ of soil in SP25-1 and SP25-3 and approximately 30 m³ in SP25-2. Five discrete grab samples were collected from various areas within each cell to form one representative composite sample per 200 m³ of soil. Sample locations from each of the stockpiles are shown in **Figures 1 and 2**.

In SP25-1, 16 composite samples were collected, two samples were collected in SP25-2, and 13 samples were collected in SP25-3. All samples were submitted to ALS Laboratories in Winnipeg, for analysis of petroleum hydrocarbons fraction 1 – 4 (PHC F1-F4), polycyclic aromatic hydrocarbons (PAHs), and metals.

Two samples from SP25-1 and SP25-3 and one sample from SP25-2 were submitted to the AECOM Geotechnical Laboratory for particle size analysis.

The laboratory results are summarized below.

Stockpile 1

Samples SP25-1-1 to SP25-1-8 and SP25-1-9 to SP25-1-16 were combined to create composite samples SP25-1-1-8 and SP25-1-9-16, respectively for particle size analysis. SP25-1-1-8 had a particle size distribution of 62.6% clay, 33.1% silt, 4.2% sand, and 0.1% sand. SP25-1-9-16 had a particle size distribution of 60.2% clay, 31.5% silt, 7.6% sand, and 0.8% gravel.

One of the soil samples (SP25-1-13) had a chromium concentration of 108 milligrams per kilogram (mg/kg) that exceeded both the applied SQG and Manitoba landfill acceptance criteria for chromium of 87 mg/kg. The 15 other soil samples collected from Stockpile 1 had concentrations of BTEX, PHCs, PAHs, and metal results below applied SQGs or RDLs. Approximately 200 m³ of impacted soil is located in Stockpile 1.

Stockpile 2

Samples SP25-2-1 and SP25-2-2 were combined to create composite sample SP25-2 for particle size analysis. SP25-2 had a particle size distribution of 49.1% clay, 45.8% silt, 4.5% sand, and 0.6% gravel.

Based on the results of the laboratory analyses, both soil samples SP25-2-1 and SP25-2-2 had concentrations of BTEX, PHCs, PAHs, and metals below applied SQGs or RDLs. All soil sampled is designated as non-impacted within Stockpile 2.

Stockpile 3

All soil samples (SP25-3-1 to SP25-3-13 and DUP-1) collected from Stockpile 3 exceeded the applied SQGs for one or more metal parameter (arsenic, hot water-soluble boron, chromium, copper, and/or zinc). SP25-3-3, SP25-3-11, and SP25-3-12 also had concentrations of PHC F3 above the applied SQGs. All other samples collected from Stockpile 3 had concentrations of BTEX, PHCs, and PAHs below applied SQGs or RDLs. All samples from SP25-3 which exceeded chromium, copper, and zinc guidelines also exceeded the Manitoba landfill acceptance criteria guidelines for the same parameters. Approximately 2,500 m³ of impacted soil is located in Stockpile 3.

A summary of the laboratory results compared to applicable soil quality guidelines is attached in **Tables 1 to 3**, the quality assurance/quality control field duplicate results are attached in **Table 4**, the photographic log is attached in **Appendix A**, and the laboratory Certificate of Analysis (COA) is attached in **Appendix B**. A site map showing the samples which exceeded applicable SQGs is attached as **Figure 2**.

3 Soil Quality Guidelines

The Province of Manitoba currently references documents from the Canadian Council of Ministers of the Environment (CCME) and Ontario Ministry of the Environment (Ontario MOE) as Primary and Secondary standards under the *Contaminated Sites Remediation (CSR) Act*. The applicable standards are summarized below.

Primary standards:

- Canadian Environmental Quality Guidelines (CEQG), Canadian Council of Ministers of the Environment (CCME, 2025).
- Canada-Wide Standards (CWS) for Petroleum Hydrocarbons (PHC) in Soil, CCME (CCME) (2008).

Secondary standard:

- Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ontario Ministry of the Environment, April 15, 2011.

The applicable site-specific factors at the Site for the use of CCME Tier 1 SGQs are described below.

- The Site is zoned as M1-M3 Industrial Land Use (City of Winnipeg, 2025) and industrial land use EQGs have been applied to the Site.
- Soil encountered at the Site consisted of mostly clay in Stockpiles 1 and 2 and silt and clay in Stockpile 3. Therefore, the soil type applied is fine-grained.
- Potable water for the Site and surrounding area is provided by the City of Winnipeg via a piped municipal distribution system fed by Shoal Lake located approximately 145 kilometres southeast of the city. The potable water pathway is not considered applicable to the Site.

- The freshwater aquatic life pathway is considered applicable if contaminants of concern are located within 500 metres (m) of a surface water body (Federal Contaminated Sites Action Plan, 2016). The closest surface water body to the Site is the Red River, which is located approximately 800 m east of the Site and the freshwater aquatic life pathway is not considered applicable to the Site.
- As adopted by MECC, soil quality guidelines for benzene use a lifetime incremental cancer risk of 10^{-5} for human health exposure.
- Soil samples were also compared to waste disposal ground acceptance criteria to understand potential disposal requirements. The waste disposal ground acceptance criteria are based on the CCME and CWS for PHC in Soil for fine-grained surface soil for industrial land use sites, the environmental health guideline, and the soil contact pathway as outlined in the MECC guidance document Criteria for Acceptance of Contaminated Soil at Waste Disposal Grounds guidance document (MECC, 2016).

4 Proposed Remedial Actions

The proposed remedial action at the Site is off-site disposal to a landfill that accepts impacted soil.

4.1 Soil Volume Estimate

The estimated volume of impacted soil from Stockpile 3 is approximately 2,500 m³. The estimated volume of impacted soil from Stockpile 1 is approximately 200 m³.

4.2 Excavation of Impacted Soil

Soil will likely be excavated using a track-mounted excavator and will be loaded directly onto haul trucks. The impacted section of Stockpile 1 will be staked or painted, and AECOM personnel will directly supervise the loading and removal of all impacted soil. The ground surface will be scraped to ensure all impacted soil has been removed from beneath the impacted stockpile.

4.3 Confirmatory Soil Sampling

Once the impacted stockpiles have been removed from Site, confirmatory composite samples will be collected from the ground surface to ensure all impacted soil has been removed. Samples will be collected approximately every 20 m along the footprint of Stockpile 3 and one sample will be collected from beneath the impacted section of Stockpile 1.

4.4 Soil Disposal

After obtaining approval from the receiving facility, soil Stockpile 3 and the impacted 200m³ section from Stockpile 1 will be hauled offsite for disposal at a licensed facility that accepts impacted soil.

5 Conclusions

The RP presented in this report outlines the results of the stockpile sampling program and proposed activities that are recommended to be undertaken in cooperation with The City of Winnipeg to dispose of the impacted soil located in stockpiles within the CPT ROW off-site. The key activities in the RP include the following:

- Off-site disposal of impacted soil from the entire Stockpile 3 (2,500 m³) and a 200 m³ section of Stockpile 1 at a facility that accepts impacted soil.

- Confirmatory sampling of the ground surface once stockpiles are taken offsite to ensure all impacted soil has been removed.
- Special care should be taken during excavation and loading of soil to protect workers from inhalation of soil particles. Mitigation measures include keeping the dust down during excavation, not excavating during high winds or very dry conditions, using wetting agents, implementing segregation or work zones, workers wearing half mask respirators, as well as washing work clothes.

Should you have any questions or require further information, please contact Jen Murray, as signed below.

Sincerely,
AECOM Canada Ltd.



Jen Murray, B.Env.Sc., EP
Environmental Scientist
Remediation
jen.murray@aecom.com



Kimber Osiowy, M.Sc., P. Eng.
Senior Environmental Engineer, Remediation
Kimber.osiowy@aecom.com

Attachments: Figures
Tables
Appendix A – Site Photographs
Appendix B – ALS Certificates of Analyses

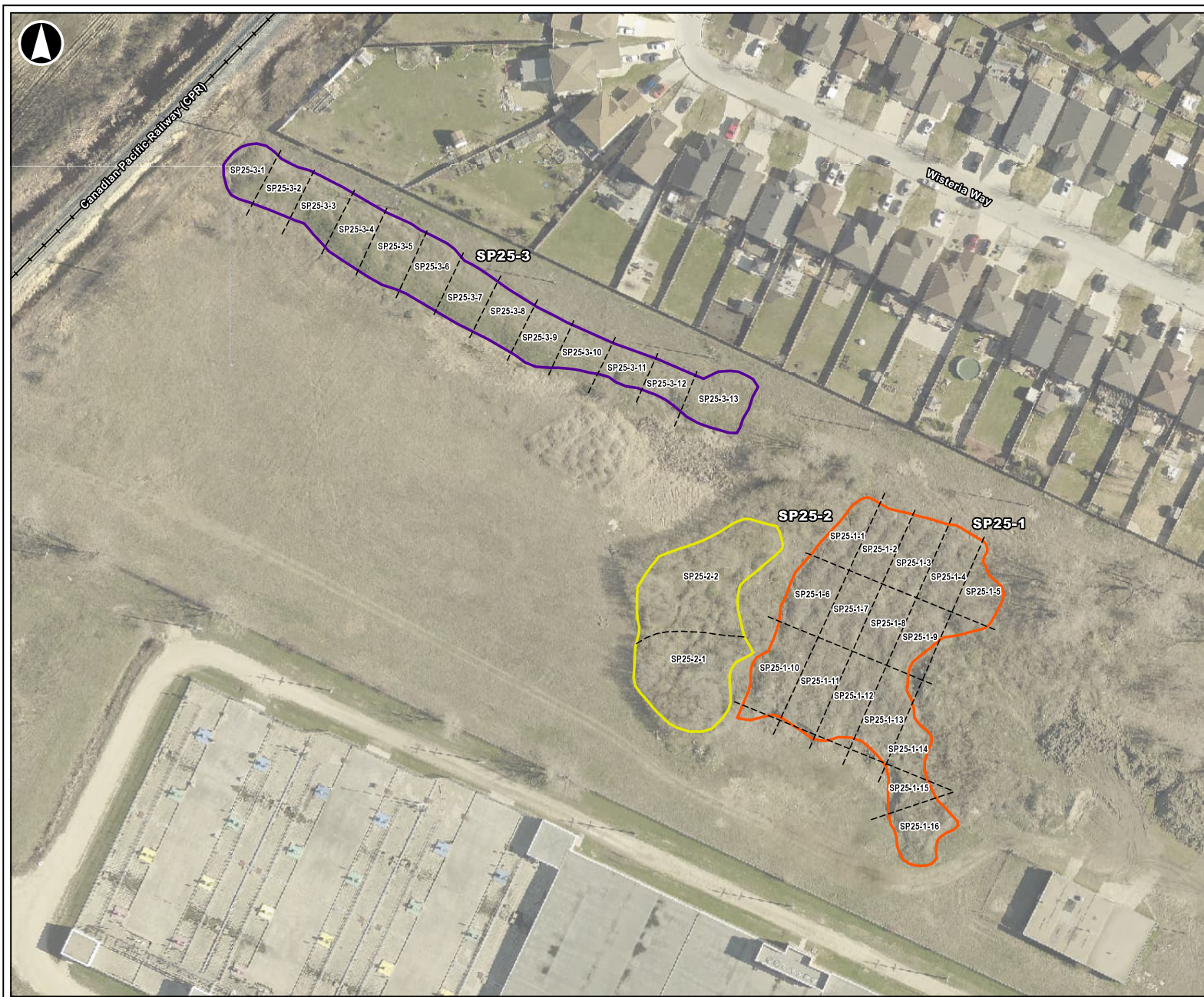
References

Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (most recent online version) - Industrial Land Use

City of Winnipeg, 2024. Planning, Property & Planning. Property Map/Aerial Photography.
https://legacy.winnipeg.ca/ppd/maps_aerial.stm

Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ontario Ministry of the Environment, November 30, 2023.

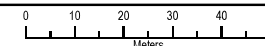
Figure



- Legend**
- Stockpile 1
 - Stockpile 2
 - Stockpile 3
 - Cell Boundary
 - Railway

**NORTH END WATER POLLUTION CONTROL CENTRE (NEWPCC)
STOCKPILE CHARACTERIZATION AND SAMPLING
CHIEF PEGUIS TRAIL, RIGHT-OF-WAY (CPT ROW),
2230 MAIN STREET IN WINNIPEG, MANITOBA**

SITE PLAN



Datum: NAD 1983 UTM Zone 14N

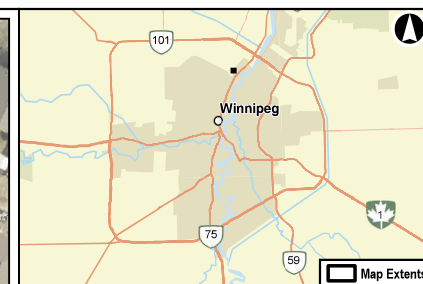
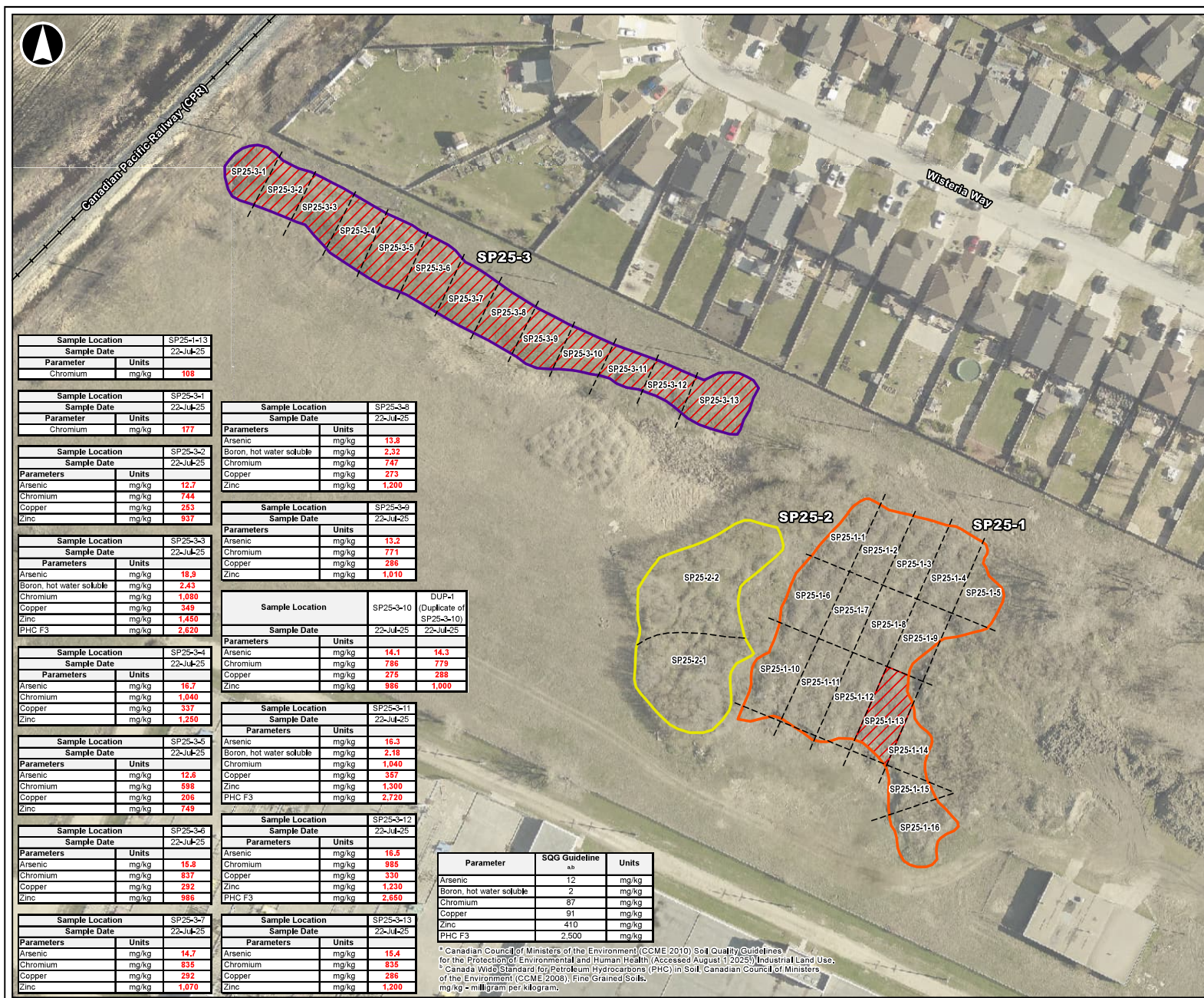
Aug. 2025 | PN#: 60705950 | 1:1,000
*when plotted 11"x17"

Figure 1

AECOM

Data Sources: NRCan - CanVec, City of Winnipeg
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community

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- Legend**
- Stockpile 1
 - Stockpile 2
 - Stockpile 3
 - Soil Sample Above Applicable Guideline
 - Cell Boundary
 - Railway

Sample Location	SP25-1-13
Sample Date	22-Jul-25
Parameter	Units
Chromium	mg/kg
108	

Sample Location	SP25-3-1
Sample Date	22-Jul-25
Parameter	Units
Chromium	mg/kg
177	

Sample Location	SP25-3-2
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
12.7	
Chromium	mg/kg
744	
Copper	mg/kg
263	
Zinc	mg/kg
837	

Sample Location	SP25-3-3
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
18.9	
Boron, hot water soluble	mg/kg
2.43	
Chromium	mg/kg
1,080	
Copper	mg/kg
349	
Zinc	mg/kg
1,450	
PHC F3	mg/kg
2,620	

Sample Location	SP25-3-4
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
16.7	
Chromium	mg/kg
1,040	
Copper	mg/kg
337	
Zinc	mg/kg
1,250	

Sample Location	SP25-3-5
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
12.6	
Chromium	mg/kg
698	
Copper	mg/kg
206	
Zinc	mg/kg
749	

Sample Location	SP25-3-6
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
15.8	
Chromium	mg/kg
837	
Copper	mg/kg
292	
Zinc	mg/kg
985	

Sample Location	SP25-3-7
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
14.7	
Chromium	mg/kg
835	
Copper	mg/kg
282	
Zinc	mg/kg
1,070	

Sample Location	SP25-3-8
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
13.8	
Boron, hot water soluble	mg/kg
2.32	
Chromium	mg/kg
747	
Copper	mg/kg
273	
Zinc	mg/kg
1,200	

Sample Location	SP25-3-9
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
13.2	
Chromium	mg/kg
771	
Copper	mg/kg
286	
Zinc	mg/kg
1,010	

Sample Location	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)
Sample Date	22-Jul-25	22-Jul-25
Parameters	Units	
Arsenic	mg/kg	14.1
Chromium	mg/kg	786
Copper	mg/kg	275
Zinc	mg/kg	986

Sample Location	SP25-3-11
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
16.3	
Boron, hot water soluble	mg/kg
2.18	
Chromium	mg/kg
1,040	
Copper	mg/kg
357	
Zinc	mg/kg
1,300	
PHC F3	mg/kg
2,720	

Sample Location	SP25-3-12
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
16.5	
Chromium	mg/kg
955	
Copper	mg/kg
330	
Zinc	mg/kg
1,230	
PHC F3	mg/kg
2,650	

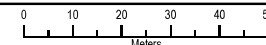
Sample Location	SP25-3-13
Sample Date	22-Jul-25
Parameters	Units
Arsenic	mg/kg
15.4	
Chromium	mg/kg
835	
Copper	mg/kg
286	
Zinc	mg/kg
1,200	

Parameter	SQG Guideline	Units
	as	
Arsenic	12	mg/kg
Boron, hot water soluble	2	mg/kg
Chromium	87	mg/kg
Copper	91	mg/kg
Zinc	410	mg/kg
PHC F3	2,500	mg/kg

1 Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 1, 2025) Industrial Land Use.
2 Canada Wide Standard for Petroleum Hydrocarbons (PHC) in Soil, Canadian Council of Ministers of the Environment (CCME 2008), Fine Grained Soils.
mg/kg - milligram per kilogram.

NORTH END WATER POLLUTION CONTROL CENTRE (NEWPCC)
STOCKPILE CHARACTERIZATION AND SAMPLING
CHIEF PEGUS TRAIL, RIGHT-OF-WAY (CPT ROW),
2230 MAIN STREET IN WINNIPEG, MANITOBA

SOIL SAMPLES EXCEEDING APPLICABLE
GUIDELINES



Datum: NAD 1983 UTM Zone 14N

Aug. 2025	PN#: 60705950	1:1,000 *when plotted 11"x17"	AECOM
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Figure 2

Data Sources: NRCAN, CanVec, City of Winnipeg
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, © OpenStreetMap contributors, and the GIS User Community
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Tables

Table 1: Soil Analytical Results - Metals

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10	DUP-2 (Duplicate of SP25-1-10)	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15	SP25-1-16
Date Sampled (dd-mm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (Sb)	40	NG	0,1	mg/kg	0,59	0,67	0,73	0,49	0,35	0,46	0,46	0,44	1,12	0,46	0,47	0,68	0,65	0,91	0,2	0,38	0,44
Arsenic (As)	12	26	0,1	mg/kg	6,55	6,62	7,31	6,8	6,29	7,11	6,96	6,28	6,73	6,61	5,73	7,02	6,00	7,17	3,22	6,7	5,5
Barium (Ba)	2,000	NG	0,5	mg/kg	169	249	194	166	176	162	175	172	179	160	152	175	164	204	100	172	139
Beryllium (Be)	8	NG	0,1	mg/kg	0,89	0,86	1,01	0,82	0,84	0,86	0,89	0,85	0,86	0,75	0,81	0,82	0,8	0,78	0,4	0,97	0,65
Boron (B)	120 ^b	NG	5	mg/kg	20,7	21,8	27,2	20,6	21,9	19,5	20	21,3	22,8	19,6	19	22,5	20,5	21,1	17,3	22,2	19,4
Boron, hot water soluble	2 ^b	NG	0,1	mg/kg	0,9	0,72	0,88	0,71	0,8	0,43	0,62	0,74	0,67	0,49	0,48	0,66	0,11	0,84	0,46	0,47	0,66
Cadmium (Cd)	22	22	0,02	mg/kg	0,514	0,434	0,518	0,353	0,311	0,308	0,337	0,294	0,376	0,308	0,374	0,406	0,371	1,17	0,148	0,265	0,346
Chromium (Cr)	87	87	0,5	mg/kg	57,5	54,6	65	48,1	40,7	41,5	44,9	40	47,6	37,2	41,6	46	47	108	23,2	50,2	40,9
Chromium, hexavalent [Cr VI]	1,4	1,4	0,1	mg/kg	0,12	0,23	0,34	0,29	0,17	0,23	0,2	0,18	0,26	0,13	<0,10	0,14	0,26	0,27	0,12	0,21	0,13
Cobalt (Co)	300	NG	0,1	mg/kg	10,4	10,2	10,7	10,8	10,1	10,9	11,3	10	11,2	10,1	8,85	10,2	9,19	9,94	5,75	14,4	8,66
Copper (Cu)	91	91	0,5	mg/kg	31,2	30,4	33	28,6	24,2	28,5	27	25,2	28,8	25,2	25,7	33,7	25,6	50,3	14,4	30,5	24,2
Lead (Pb)	600	600	0,5	mg/kg	31,2	31,4	35,8	21,6	12,8	19	17,3	17	28,7	17,8	21,3	30,7	24,4	52,6	7,7	15,1	15,3
Mercury	50	NG	0,005	mg/kg	0,194	0,21	0,201	0,108	0,0462	0,119	0,0667	0,0893	0,0987	0,0899	0,17	0,146	0,109	0,567	0,0286	0,0534	0,0928
Molybdenum (Mo)	40	NG	0,1	mg/kg	0,49	0,52	0,7	0,44	0,53	0,55	0,44	0,65	0,59	0,57	0,5	0,71	0,44	0,64	0,36	0,75	0,58
Nickel (Ni)	89	89	0,5	mg/kg	30,7	30,2	32,8	31,7	30,1	32,2	32,5	30,6	33,4	29,2	25,4	30,6	27,6	32,8	16,8	38,4	25,9
Selenium (Se)	2,9	2,9	0,2	mg/kg	0,39	0,24	0,26	0,21	<0,20	<0,20	<0,20	0,22	<0,20	0,21	0,22	0,24	0,23	0,34	0,21	0,51	0,24
Silver (Ag)	40	NG	0,1	mg/kg	0,86	0,72	1,06	0,45	0,18	0,34	0,27	0,27	0,4	0,28	0,6	0,43	0,38	2,57	0,11	0,24	0,4
Thallium (Tl)	1	3,6	0,05	mg/kg	0,275	0,267	0,317	0,269	0,256	0,266	0,276	0,253	0,271	0,25	0,209	0,244	0,236	0,271	0,144	0,328	0,221
Uranium (U)	300	2000	0,05	mg/kg	2,06	1,5	3,06	1,54	1,39	1,16	1,68	1,55	1,7	1,56	1,34	1,66	1,24	1,8	0,893	1,6	1,11
Vanadium (V)	130	130	0,2	mg/kg	68,4	66,5	74,4	68,5	67,9	63,8	68,2	61,6	67,5	59,1	50,4	66,4	60,5	62,6	34	72,5	53,7
Zinc (Zn)	410	450	2	mg/kg	99,8	102	115	126	70,5	86,6	84,2	72,4	84,5	81,3	83,1	97,6	77,6	160	37,1	84,6	70

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025). Industrial Land Use.

^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed in August 2025). Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 1: Soil Analytical Results - Metals

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-2-1	SP25-2-2	DUP-3 (Duplicate of SP25-2-2)	SP25-3-1	SP25-3-2	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7	SP25-3-8	SP25-3-9	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)	SP25-3-11	SP25-3-12	SP25-3-13
Date Sampled (dd-mm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Antimony (Sb)	40	NG	0,1	mg/kg	0,3	0,32	0,33	1,11	3,62	5,53	5,01	3,28	4,21	4,86	3,87	4,56	4,18	4,81	5,88	6,09	4,69
Arsenic (As)	12	26	0,1	mg/kg	6,77	7,03	8,01	7,84	12,7	18,9	16,7	12,6	15,8	14,7	13,8	13,2	14,1	14,3	16,3	16,5	15,4
Barium (Ba)	2,000	NG	0,5	mg/kg	172	187	214	228	418	574	552	394	508	509	476	477	491	500	570	502	544
Beryllium (Be)	8	NG	0,1	mg/kg	0,46	0,5	0,56	0,78	0,75	0,82	0,79	0,92	0,87	0,8	0,76	0,73	0,8	0,82	0,73	0,78	0,77
Boron (B)	120 ^b	NG	5	mg/kg	15,5	17	17,2	16,9	16,2	17,8	18,4	22,4	18,6	17,6	17,7	15,8	18,9	18,7	17,6	21,1	19
Boron, hot water soluble	2 ^b	NG	0,1	mg/kg	0,46	0,46	0,61	0,6	0,81	2,43	1,32	1,15	1,17	1,44	2,32	1,83	1,55	1,24	2,18	1,88	1,72
Cadmium (Cd)	22	22	0,02	mg/kg	0,31	0,312	0,32	2,1	10,4	15,8	13,8	8,12	12,7	12,5	11,4	12,1	11,8	11,9	16,4	15,8	12,3
Chromium (Cr)	87	87	0,5	mg/kg	18,4	19,3	21,5	177	744	1,080	1,040	598	837	835	747	771	786	779	1,040	985	835
Chromium, hexavalent [Cr VI]	1,4	1,4	0,1	mg/kg	<0,10	<0,10	<0,10	0,65	0,92	0,54	0,18	0,83	0,78	0,17	0,2	0,13	0,16	0,28	<0,10	0,11	0,46
Cobalt (Co)	300	NG	0,1	mg/kg	6,94	7,2	7,97	10,2	7,93	10,7	9,04	11,4	10,6	9,98	9,42	9,16	9,58	9,57	8,37	9,14	9,85
Copper (Cu)	91	91	0,5	mg/kg	15,5	15,6	17,3	67,6	253	349	337	206	292	292	273	286	275	288	357	330	286
Lead (Pb)	600	600	0,5	mg/kg	8,89	9,1	9,22	76,3	348	496	449	258	386	395	349	363	355	391	481	481	391
Mercury	50	NG	0,005	mg/kg	0,0379	0,0347	0,0358	1,16	6,03	8,03	7,66	3,76	6,02	5,93	5,36	5,6	5,18	5,69	7,5	7,06	6,37
Molybdenum (Mo)	40	NG	0,1	mg/kg	0,39	0,43	0,45	0,97	1,82	2,97	2,53	1,94	2,37	2,2	2,1	1,85	1,72	1,96	2,19	2,89	1,9
Nickel (Ni)	89	89	0,5	mg/kg	18,5	19	21,6	36,1	55,8	79,2	73,6	60	70,7	69,8	64,8	65,5	64,9	66,7	75,4	73,4	69,4
Selenium (Se)	2,9	2,9	0,2	mg/kg	0,36	0,39	0,4	0,43	1,15	1,64	1,55	1,05	1,28	1,39	1,19	1,22	1,2	1,32	1,59	1,52	1,37
Silver (Ag)	40	NG	0,1	mg/kg	<0,10	<0,10	<0,10	5,06	23,4	34,9	30,8	18	26,5	27,8	28,6	25,7	28	32,4	34,5	35	29,2
Thallium (Tl)	1	3,6	0,05	mg/kg	0,204	0,221	0,243	0,268	0,335	0,426	0,371	0,374	0,412	0,416	0,395	0,403	0,404	0,436	0,469	0,477	0,427
Uranium (U)	300	2000	0,05	mg/kg	1,13	1,19	1,24	1,73	4,29	4,57	4,41	3,14	3,94	4,04	3,63	3,72	3,58	3,91	4,35	4,33	3,94
Vanadium (V)	130	130	0,2	mg/kg	38,2	39,9	44,7	57,1	44,8	53,6	50	66,8	57,6	51,9	50,8	47,7	52,2	51,7	46,8	52,8	55,2
Zinc (Zn)	410	450	2	mg/kg	60,3	61,7	66,6	215	937	1,450	1,250	749	986	1,070	1,200	1,010	986	1,000	1,300	1,230	1,200

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025). Industrial Land Use.^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed in August 2025). Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard**Yellow** Exceeds Applied Soil Quality Guideline**Blue** Exceeds Landfill Acceptance Criteria**Gradient** Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 2: Soil Analytical Results - Polycyclic Aromatic Hydrocarbons

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10	DUP-2 (Duplicate of SP25-1-10)	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15	SP25-1-16
Date Sampled (dd-mmm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)																					
Acenaphthene	96 ^b	NG	0.005	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0115	0.0160	0.0449	0.0058	0.0364	0.97	0.0115	0.0054	0.0153	<0.0050	0.0161	0.0073
Acenaphthylene	0.17 ^b	NG	0.005	mg/kg	<0.0050	<0.0050	0.0081	<0.0050	<0.0050	0.0076	<0.0050	0.006	0.0286	<0.0050	0.0073	0.0128	<0.0050	0.0076	<0.0050	0.0131	<0.0050
Acridine	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.018	0.02	<0.010	0.014	0.256	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	32	32	0.004	mg/kg	<0.0040	0.0075	0.0132	0.0097	<0.0040	0.0299	0.122	0.0846	0.0571	0.0746	1.62	0.0316	0.015	0.0396	0.0088	0.0334	0.0206
Benzo(a)anthracene	10	NG	0.01	mg/kg	<0.010	0.022	0.039	0.025	<0.010	0.094	0.268	0.161	0.039	0.152	2.38	0.075	0.04	0.122	0.024	0.057	0.047
Benzo(a)pyrene	72	72	0.01	mg/kg	<0.010	0.026	0.045	0.028	<0.010	0.112	0.253	0.152	0.053	0.146	2	0.085	0.044	0.129	0.025	0.064	0.051
Benzo(b+g)fluoranthene	NG	NG	0.01	mg/kg	<0.010	0.031	0.054	0.033	<0.010	0.117	0.312	0.183	0.059	0.172	2.53	0.109	0.053	0.152	0.033	0.079	0.056
Benzo(b+g+k)fluoranthene	10	NG	0.015	mg/kg	<0.015	0.045	0.075	0.047	<0.015	0.166	0.44	0.258	0.083	0.247	3.58	0.155	0.075	0.214	0.046	0.109	0.08
Benzo(g,h,i)perylene	9.6 ^b	NG	0.01	mg/kg	<0.010	0.022	0.035	0.021	<0.010	0.085	0.145	0.079	0.085	0.086	0.885	0.066	0.039	0.062	0.018	0.048	0.036
Benzo(k)fluoranthene	10	NG	0.01	mg/kg	<0.010	0.014	0.021	0.014	<0.010	0.049	0.128	0.075	0.024	0.075	1.05	0.046	0.022	0.062	0.013	0.03	0.024
Chrysene	9.6 ^b	NG	0.01	mg/kg	<0.010	0.028	0.049	0.03	<0.010	0.105	0.276	0.188	0.05	0.159	2.26	0.094	0.052	0.14	0.03	0.064	0.05
Dibenz(a,h)anthracene	10	NG	0.005	mg/kg	<0.0050	0.005	0.0078	<0.0050	<0.0050	0.0188	0.039	0.0259	0.0111	0.0236	0.291	0.0172	0.0082	0.0223	0.0051	0.0104	0.008
Fluoranthene	180	180	0.01	mg/kg	0.013	0.046	0.085	0.057	0.011	0.189	0.718	0.428	0.09	0.377	5.98	0.198	0.093	0.25	0.063	0.155	0.109
Fluorene	69 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	0.01	0.021	0.067	<0.010	0.03	0.81	0.014	<0.010	0.019	<0.010	0.016	<0.010
Indeno(1,2,3-c,d)pyrene	10	NG	0.01	mg/kg	<0.010	0.022	0.032	0.019	<0.010	0.076	0.163	0.088	0.059	0.091	1.12	0.065	0.035	0.087	0.019	0.047	0.036
Methylnaphthalene, 1+2-	NG	NG	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.031	<0.015	<0.015	0.104	<0.015	<0.015	0.048	<0.015	<0.015	<0.015
Methylnaphthalene, 1-	85 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.013	<0.010	<0.010	0.046	<0.010	<0.010	0.014	<0.010	<0.010	<0.010
Methylnaphthalene, 2-	85 ^b	NG	0.01	mg/kg	<0.010	0.012	0.012	<0.010	<0.010	<0.010	<0.010	0.018	<0.010	<0.010	0.058	0.011	<0.010	0.034	<0.010	0.011	<0.010
Naphthalene	22	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.024	0.011	<0.010	0.049	0.011	<0.010	0.016	<0.010	0.029	<0.010
Phenanthrene	50	NG	0.01	mg/kg	<0.010	0.031	0.057	0.037	<0.010	0.109	0.488	0.479	0.062	0.287	6.08	0.158	0.061	0.172	0.042	0.152	0.087
Pyrene	100	NG	0.01	mg/kg	0.011	0.039	0.074	0.047	<0.010	0.181	0.549	0.334	0.076	0.295	4.6	0.157	0.078	0.219	0.05	0.135	0.092
Quinoline	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
B(a)P total potency equivalents [B(a)P TPE]	5.3	NG	0.02	mg/kg	<0.020	0.04	0.068	0.04	<0.020	0.166	0.383	0.231	0.084	0.221	3.03	0.133	0.068	0.196	0.039	0.097	0.076

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025). Industrial Land Use.

^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025). Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL - Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 2: Soil Analytical Results - Polycyclic Aromatic Hydrocarbons

Sample ID:	SQG ^a	Landfill Acceptance Criteria ^c	RDL	Units	SP25-2-1	SP25-2-2	DUP-3 (Duplicate of SP25-2-2)	SP25-3-1	SP25-3-2	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7	SP25-3-8	SP25-3-9	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)	SP25-3-11	SP25-3-12	SP25-3-13
Date Sampled (dd-mm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Acenaphthene	96 ^b	NG	0.005	mg/kg	<0.0050	<0.0050	<0.0050	0.011	0.0506	0.0456	0.351	<0.0380	<0.0398	0.0392	<0.0405	<0.0386	<0.0396	<0.0376	<0.0421	<0.0400	0.144
Acenaphthylene	0.17 ^b	NG	0.005	mg/kg	0.0051	<0.0050	<0.0050	0.0143	0.0448	<0.0384	0.135	<0.0380	<0.0398	<0.0380	<0.0405	<0.0386	<0.0396	<0.0376	0.0423	<0.0400	<0.0392
Acridine	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	0.033	<0.038	0.164	<0.038	<0.040	<0.038	<0.040	<0.038	<0.040	<0.038	<0.042	<0.040	0.053
Anthracene	32	32	0.004	mg/kg	0.0095	<0.0040	<0.0040	0.0327	0.131	0.117	1.28	<0.0380	0.0422	0.0722	0.0816	0.0591	0.0782	0.0657	0.0636	<0.0400	0.326
Benzo(a)anthracene	10	NG	0.01	mg/kg	0.017	<0.010	<0.010	0.075	0.351	0.302	2.1	0.091	0.143	0.241	0.258	0.202	0.251	0.193	0.241	0.127	0.5
Benzo(a)pyrene	72	72	0.01	mg/kg	0.016	<0.010	<0.010	0.088	0.407	0.388	1.68	0.112	0.211	0.29	0.328	0.265	0.309	0.244	0.349	0.196	0.448
Benzo(b+j)fluoranthene	NG	NG	0.01	mg/kg	0.027	0.01	0.015	0.11	0.523	0.503	2.07	0.155	0.289	0.395	0.439	0.33	0.433	0.336	0.46	0.251	0.567
Benzo(b+k)fluoranthene	10	NG	0.015	mg/kg	0.037	<0.015	0.015	0.155	0.734	0.716	2.97	0.207	0.389	0.57	0.606	0.464	0.605	0.461	0.616	0.343	0.802
Benzo(g,h,i)perylene	9.6 ^b	NG	0.01	mg/kg	0.013	<0.010	<0.010	0.103	0.414	0.504	0.904	0.146	0.293	0.326	0.484	0.373	0.378	0.334	0.562	0.267	0.373
Benzo(k)fluoranthene	10	NG	0.01	mg/kg	0.01	<0.010	<0.010	0.045	0.211	0.213	0.898	0.052	0.1	0.175	0.167	0.134	0.172	0.125	0.156	0.092	0.235
Chrysene	9.6 ^b	NG	0.01	mg/kg	0.026	<0.010	<0.010	0.091	0.422	0.4	2.16	0.1	0.184	0.32	0.335	0.26	0.318	0.259	0.329	0.168	0.598
Dibenz(a,h)anthracene	10	NG	0.005	mg/kg	<0.0050	<0.0050	<0.0050	0.0181	0.0786	0.0842	0.293	<0.0380	<0.0398	0.0544	0.0633	0.0421	0.064	0.0582	0.0865	0.0455	0.0782
Fluoranthene	180	180	0.01	mg/kg	0.054	0.012	0.011	0.172	0.771	0.678	4.79	0.184	0.275	0.546	0.579	0.441	0.578	0.42	0.458	0.251	1.06
Fluorene	69 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.014	0.058	0.05	0.733	<0.038	<0.040	0.042	<0.040	<0.038	0.051	<0.038	<0.042	<0.040	0.206
Indeno(1,2,3-c,d)pyrene	10	NG	0.01	mg/kg	0.014	<0.010	<0.010	0.08	0.343	0.384	0.989	0.117	0.221	0.278	0.332	0.262	0.322	0.267	0.381	0.226	0.33
Methylnaphthalene, 1+2-	NG	NG	0.015	mg/kg	<0.015	<0.015	<0.015	0.057	0.239	0.422	0.606	0.2	0.241	0.238	0.264	0.276	0.265	0.306	0.462	0.132	0.385
Methylnaphthalene, 1-	85 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.015	0.069	0.108	0.207	0.051	0.056	0.06	0.069	0.067	0.068	0.081	0.108	<0.040	0.13
Methylnaphthalene, 2-	85 ^b	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.042	0.17	0.314	0.399	0.149	0.185	0.178	0.195	0.209	0.197	0.225	0.354	0.132	0.255
Naphthalene	22	NG	0.01	mg/kg	<0.010	<0.010	<0.010	0.018	0.073	0.136	0.756	0.05	0.081	0.076	0.081	0.09	0.09	0.072	0.142	0.05	0.175
Phenanthrene	50	NG	0.01	mg/kg	0.039	<0.010	<0.010	0.128	0.583	0.554	5.03	0.122	0.214	0.45	0.393	0.359	0.452	0.317	0.37	0.156	1.37
Pyrene	100	NG	0.01	mg/kg	0.038	0.01	<0.010	0.15	0.678	0.617	3.77	0.158	0.253	0.472	0.522	0.394	0.506	0.375	0.436	0.234	0.969
Quinoline	NG	NG	0.01	mg/kg	<0.010	<0.010	<0.010	<0.010	<0.010	<0.038	<0.034	<0.038	<0.040	<0.038	<0.040	<0.038	<0.040	<0.038	<0.042	<0.040	<0.039
B(a)P total potency equivalents [B(a)P TPE]	5.3	NG	0.02	mg/kg	0.026	<0.020	<0.020	0.139	0.637	0.621	2.61	0.158	0.294	0.46	0.519	0.406	0.498	0.4	0.568	0.315	0.699

Notes:

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^b Ontario Ministry of Environment (MOE), Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Table 3: Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition, June 26, 2025.

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< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 3: Soil Analytical Results - Petroleum Hydrocarbons

Sample ID:	SQG ^a Surface Soil (>1.5 m)	Landfill Acceptance Criteria ^c	RDL	Units	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10	DUP-2 (Duplicate of SP25-1-10)	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15	SP25-1-16
Date Sampled (dd-mm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2.8	310	0.005	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	330	330	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	430	430	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Xylenes, total	230	230	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
F1 (C6-C10) ^b	320	320	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.3	<5.0
F1 (C6-C10) - BTEX ^b	320	260	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.3	<5.0
F2 (C10-C16) ^b	260	2,500	25	mg/kg	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25	<25
F3 (C16-C34) ^b	2,500	6,600	50	mg/kg	51	80	101	<50	75	<50	56	76	88	103	74	109	132	177	84	87	79
F4 (C34-C50) ^b	6,600	NG	50	mg/kg	<50	<50	54	<50	<50	<50	<50	<50	<50	54	<50	61	92	110	<50	56	54

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use, Fine Grained Soils.

^b Canada Wide Standard for Petroleum Hydrocarbons (PHC) in Soil, Canadian Council of Ministers of the Environment (CCME 2008), Fine Grained Soils.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025), Industrial Land Use, Environmental Soil Contact Pathway

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Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 3: Soil Analytical Results - Petroleum Hydrocarbons

Sample ID:	SQG ^a Surface Soil (>1.5 m)	Landfill Acceptance Criteria ^c	RDL	Units	SP25-2-1	SP25-2-2	DUP-3 (Duplicate of SP25-2-2)	SP25-3-1	SP25-3-2	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7	SP25-3-8	SP25-3-9	SP25-3-10	DUP-1 (Duplicate of SP25-3-10)	SP25-3-11	SP25-3-12	SP25-3-13
Date Sampled (dd-mm-yyyy)					22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Depth (mbgs)					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Benzene	2.8	310	0.005	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Toluene	330	330	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	0.097	0.091	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Ethylbenzene	430	430	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	<0.015	0.019	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.015	<0.015	<0.015
Xylenes, total	230	230	0.05	mg/kg	<0.050	<0.050	<0.050	<0.050	<0.050	0.056	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.052	0.052	<0.050
F1 (C6-C10) ^b	320	320	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<6.3	<5.0	<5.1	<5.6	<5.0	<5.3	<5.9	<5.0	<5.0	<5.6	<5.3	<5.3
F1 (C6-C10) - BTEX ^b	320	260	5	mg/kg	<5.0	<5.0	<5.0	<5.0	<5.0	<6.3	<5.0	<5.1	<5.6	<5.0	<5.3	<5.9	<5.0	<5.0	<5.6	<5.3	<5.3
F2 (C10-C16) ^b	260	2,500	25	mg/kg	<25	<25	<25	<25	<25	29	<25	<25	<25	<25	<25	<25	<25	<25	33	36	30
F3 (C16-C34) ^b	2,500	6,600	50	mg/kg	62	61	<50	295	802	2,620	1,040	775	2,000	934	1,750	2,240	1,440	1,800	2,720	2,650	1,430
F4 (C34-C50) ^b	6,600	NG	50	mg/kg	55	<50	<50	179	485	1,550	617	439	1,280	571	1,040	1,480	951	1,090	1,770	1,600	855

Notes:

^a Canadian Council of Ministers of the Environment (CCME 2010) Soil Quality Guidelines for the Protection of Environmental and Human Health (Accessed August 6, 2025), Industrial Land Use, Fine Grained Soils.

^b Canada Wide Standard for Petroleum Hydrocarbons (PHC) in Soil, Canadian Council of Ministers of the Environment (CCME 2008), Fine Grained Soils.

^c Landfill Acceptance Criteria - Canadian Council of Ministers of the Environment (CCME) Soil Quality Guidelines (Accessed August 6, 2025), Industrial Land Use, Environmental Soil Contact Pathway

SQG - soil quality guideline.

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RDL -Reportable Detection Limit

< - Denotes concentration less than indicated detection limit.

BOLD Reportable Detection Limit (RDL) exceeds the regulatory standard

Yellow Exceeds Applied Soil Quality Guideline

Blue Exceeds Landfill Acceptance Criteria

Gradient Exceeds Applied Soil Quality Guideline and Landfill Acceptance Criteria

Table 4: Soil Analytical Results - Quality Assurance & Quality Control

Sample ID:	Units	RDL	Primary Alert Limit	Alternate Alert Limit	SP25-3-10	DUP-1	RPD (%)	Difference	SP25-1-10	DUP-2	RPD (%)	Difference	SP25-2-2	DUP-3	RPD (%)	Difference
Date Sampled (dd-mmm-yy)					22-Jul-25	22-Jul-25			22-Jul-25	22-Jul-25			22-Jul-25			
Depth (mbgs)					-	-			-	-			-			
Metals																
Antimony (Sb)	mg/kg	0.1	60	0.2	4.18	4.81	14.0	NA	0.46	0.47	NC	0.0	0	0.33	NC	0.0
Arsenic (As)	mg/kg	0.1	60	0.2	14.1	14.3	1.4	NA	6.81	5.73	14.3	NA	7.03	8.01	13.0	NA
Barium (Ba)	mg/kg	0.5	80	1.0	491	500	1.8	NA	180	152	5.1	NA	187	214	13.5	NA
Beryllium (Be)	mg/kg	0.1	60	0.2	0.8	0.82	2.5	NA	0.75	0.61	20.6	NA	0.5	0.56	NC	NA
Boron (B)	mg/kg	5	60	10	18.9	18.7	NC	0.2	19.6	19	NC	0.6	17	17.2	NC	0.2
Boron, hot water soluble	mg/kg	0.1	80	0.2	1.55	1.24	22.2	NA	0.49	0.48	NC	0.0	0.46	0.61	NC	0.2
Cadmium (Cd)	mg/kg	0.02	60	0.0	11.8	11.9	0.8	NA	0.308	0.374	19.4	NA	0.312	0.32	2.5	NA
Chromium (Cr)	mg/kg	0.5	60	1.0	786	779	0.9	NA	37.2	41.6	11.2	NA	19.3	21.5	10.8	NA
Chromium, hexavalent [Cr VI]	mg/kg	0.1	60	0.2	0.16	0.28	NC	0.1	0.13	<0.10	NC	NC	<0.10	<0.10	NC	NA
Cobalt (Co)	mg/kg	0.1	60	0.2	9.58	9.57	0.1	NA	10.1	8.85	13.2	NA	7.2	7.97	10.2	NA
Copper (Cu)	mg/kg	0.5	60	1.0	275	288	4.6	NA	25.2	25.7	2.0	NA	15.6	17.3	10.3	NA
Lead (Pb)	mg/kg	0.5	80	1.0	355	391	9.7	NA	17.8	21.3	17.9	NA	9.1	9.22	1.3	NA
Mercury	mg/kg	0.005	80	0.010	5.18	5.69	9.4	NA	0.09	0.17	61.6	NA	0	0	3.1	NA
Molybdenum (Mo)	mg/kg	0.1	80	0.2	1.72	1.96	13.0	NA	0.57	0.5	NC	NA	0.43	0.45	NC	0.0
Nickel (Ni)	mg/kg	0.5	60	1.0	64.9	66.7	2.7	NA	28.2	25.4	13.9	NA	19	21.6	12.8	NA
Selenium (Se)	mg/kg	0.2	60	0.4	1.20	1.32	9.5	NA	0.21	0.22	NC	0.0	0.39	0.40	NC	0.0
Silver (Ag)	mg/kg	0.1	80	0.2	28	32.4	14.6	NA	0.28	0.60	NC	0.32	<0.10	<0.10	NC	NA
Thallium (Tl)	mg/kg	0.05	60	0.1	0.404	0.436	7.6	NA	0.25	0.209	NC	NA	0.221	0.243	NC	0.0
Uranium (U)	mg/kg	0.05	60	0.1	3.58	3.91	8.8	NA	1.56	1.34	15.2	NA	1.19	1.24	4.1	NA
Vanadium (V)	mg/kg	0.2	60	0.4	52.2	51.7	1.0	NA	58.1	50.4	15.9	NA	39.9	44.7	11.3	NA
Zinc (Zn)	mg/kg	2	60	4.0	986	1,000	1.4	NA	81	83	2.2	NA	62	67	7.6	NA
PAHs																
Acenaphthene	mg/kg	0.005	100	0.01	<0.0398	<0.0376	NC	NA	0.0364	0.97	185.5	NA	<0.0050	<0.0050	NC	NA
Acenaphthylene	mg/kg	0.005	100	0.01	<0.0398	<0.0376	NC	NA	<0.0050	0.0073	NC	NA	<0.0050	<0.0050	NC	NA
Acridine	mg/kg	0.01	100	0.02	<0.040	<0.038	NC	NA	0.014	0.256	NC	0.2	<0.010	<0.010	NC	NA
Anthracene	mg/kg	0.004	100	0.01	0.0782	0.0657	17.4	NA	0.0746	1.62	182.4	NA	<0.0040	<0.0040	NC	NA
Benzo(a)anthracene	mg/kg	0.01	100	0.02	0.251	0.193	26.1	NA	0.152	2.38	176.0	NA	<0.010	<0.010	NC	NA
Benzo(a)pyrene	mg/kg	0.01	100	0.02	0.309	0.244	23.5	NA	0.146	2	172.8	NA	<0.010	<0.010	NC	NA
Benzo(b+g)fluoranthene	mg/kg	0.01	100	0.02	0.433	0.336	25.2	NA	0.172	2.53	174.5	NA	0.01	0.015	NC	0.0
Benzo(b+h)fluoranthene	mg/kg	0.015	100	0.03	0.605	0.461	27.0	NA	0.247	3.58	174.2	NA	<0.015	0.015	NC	0.0
Benzo(g,h,i)perylene	mg/kg	0.01	100	0.02	0.378	0.334	12.4	NA	0.086	0.885	164.6	NA	<0.010	<0.010	NC	NA
Benzo(k)fluoranthene	mg/kg	0.01	100	0.02	0.172	0.125	31.6	NA	0.075	1.05	173.3	NA	<0.010	<0.010	NC	NA
Chrysene	mg/kg	0.01	100	0.02	0.318	0.259	20.5	NA	0.159	2.26	173.7	NA	<0.010	<0.010	NC	NA
Dibenz(a,h)anthracene	mg/kg	0.005	100	0.01	0.064	0.0582	9.5	NA	0.0236	0.291	NC	0.3	<0.0050	<0.0050	NC	NA
Fluoranthene	mg/kg	0.01	100	0.02	0.578	0.42	31.7	NA	0.377	5.98	176.3	NA	0.012	0.011	NC	0.0
Fluorene	mg/kg	0.01	100	0.02	0.051	<0.038	NC	NA	0.03	0.81	NC	0.8	<0.010	<0.010	NC	NA
Indeno(1,2,3-c,d)pyrene	mg/kg	0.01	100	0.02	0.322	0.267	18.7	NA	0.091	1.12	169.9	NA	<0.010	<0.010	NC	NA
Methylnaphthalene, 1+2-	mg/kg	0.015	100	0.03	0.265	0.306	14.4	NA	<0.015	0.104	NC	NA	<0.015	<0.015	NC	NA
Methylnaphthalene, 1-	mg/kg	0.01	100	0.02	0.068	0.081	17.4	NA	<0.010	0.046	NC	NA	<0.010	<0.010	NC	NA
Methylnaphthalene, 2-	mg/kg	0.01	100	0.02	0.197	0.225	13.3	NA	<0.010	0.058	NC	NA	<0.010	<0.010	NC	NA
Naphthalene	mg/kg	0.01	100	0.02	0.09	0.072	22.2	NA	<0.010	0.049	NC	NA	<0.010	<0.010	NC	NA
Phenanthrene	mg/kg	0.01	100	0.02	0.452	0.317	35.1	NA	0.287	6.08	182.0	NA	<0.010	<0.010	NC	NA
Pyrene	mg/kg	0.01	100	0.02	0.506	0.375	29.7	NA	0.295	4.6	175.9	NA	0.01	<0.010	NC	NC
Quinoline	mg/kg	0.01	100	0.02	<0.040	<0.038	NC	NA	<0.010	0.011	NC	NA	<0.010	<0.010	NC	NA
B(a)P total potency equivalents [B(a)P TPE]	mg/kg	0.02	100	0.04	0.498	0.4	21.8	NA	0.221	3.03	172.8	NA	<0.020	<0.020	NC	NA
PHCs																
Benzene	mg/kg	0.005	100	0.01	<0.0050	<0.0050	NC	NA	<0.0050	<0.0050	NC	NA	<0.0050	<0.0050	NC	NA
Toluene	mg/kg	0.05	100	0.10	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA
Ethylbenzene	mg/kg	0.015	100	0.03	<0.015	<0.015	NC	NA	<0.015	<0.015	NC	NA	<0.015	<0.015	NC	NA
Xylenes, total	mg/kg	0.05	100	0.10	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA	<0.050	<0.050	NC	NA
BTEX, total	mg/kg	0.1	100	0.20	<0.10	<0.10	NC	NA	<0.10	<0.10	NC	NA	<0.10	<0.10	NC	NA
F1 (C6-C10)	mg/kg	5	60	10	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA
F1 (C6-C10) - BTEX	mg/kg	5	60	10	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA	<5.0	<5.0	NC	NA
F2 (C10-C16)	mg/kg	25	80	50	<25	33	NC	NA	<25	<25	NC	NA	<25	<25	NC	NA
F3 (C16-C34)	mg/kg	50	80	100	1440	1800	22.2	NA	103	74	NC	29.0	61	<50	NC	NC
F4 (C34-C50)	mg/kg	50	80	100	951	1090	13.6	NA	54	<50	NC	NC	<50	<50	NC	NA

Notes:

NC - Not Calculated (Result is below 5x the detection limit).

NA - Not Applicable (Result is below detection limit or more than 5x the detection limit).

RPD - Relative Percent Difference.

mbgs - metres below ground surface.

mg/kg - milligram per kilogram.

NG - No Guideline.

RDL - Reportable Detection Limit

<- Denotes concentration less than indicated detection limit.

% - Percent.

Exceeds Alert Limit.

Appendix A Site Photographs

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.1.	Date: 2025-07-22			
Description: Facing northeast in SP25-1-1. Showing the vegetation of the stockpile.				

Photo No.2.	Date: 2025-07-22			
Description: One of the grab sample locations from SP25-1-1 with a boulder located adjacent.				

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.3.	Date: 2025-07-22	
Description: Plastic conduit located adjacent to one of the grab sample locations in SP25-1-3.		

Photo No.4.	Date: 2025-07-22	
Description: Collecting discrete grab sample from SP25-1-6, some gravel encountered.		

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.5.	Date: 2025-07-22			
Description: Gravel and silt stockpile located along the southern edge of SP25-2.				

Photo No.6.	Date: 2025-07-22			
Description: Sand and silt stockpile located along the west and north edge of SP25-2.				

PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.7.	Date: 2025-07-22	
Description: SP25-3-1 from the west edge looking east.		

Photo No.8.	Date: 2025-07-22	
Description: One of the grab sample locations in SP25-3-2.		

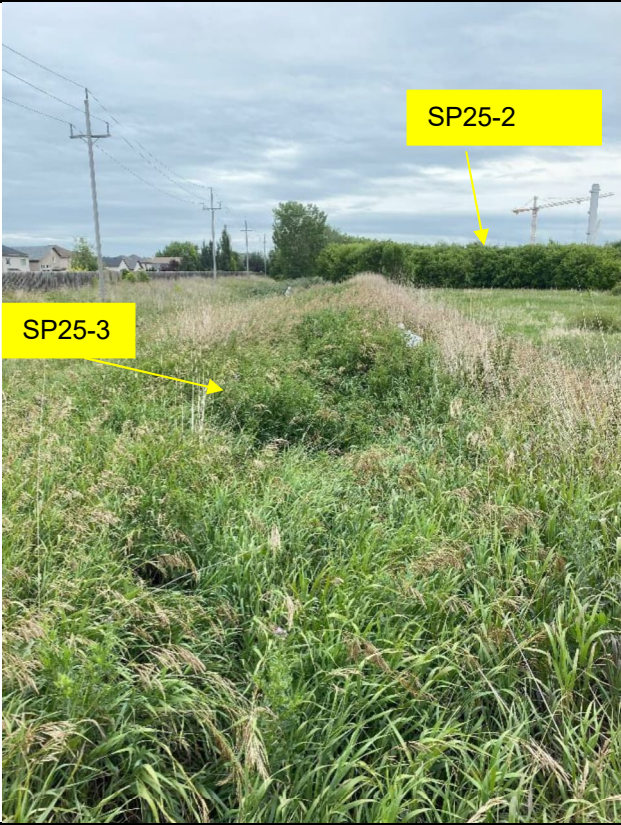
PHOTOGRAPHIC RECORD

Site Name:
NEWPCC – Chief Peguis right-of-way (CPT ROW)
Stockpile Sampling

Site Location:
2230 Main Street in Winnipeg, Manitoba

Project No.
60705950

Photo No.9.	Date: 2025-07-02	
Description: Steel wire observed in one of the grab sample locations in SP25-3-2.		 A close-up photograph of a soil sample. A yellow arrow points from a label 'Steel Wire' to a thin, dark wire embedded in the soil. The soil is dark brown and moist, surrounded by green and brown grass.

Photo No.10.	Date: 2025-07-02	
Description: SP25-3 viewed facing east from SP25-3-6. Treed area where SP25-2 is located visible in the background.		 A wide-angle photograph of a grassy field. In the foreground, there is a dense patch of green grass. In the background, there is a line of trees and a construction crane. A yellow arrow points from a label 'SP25-2' to the treed area. Another yellow arrow points from a label 'SP25-3' to the grassy field.

Appendix B ALS Certificates of Analyses

CERTIFICATE OF ANALYSIS

Work Order : **WP2511636**
Client : **AECOM Canada ULC**
Contact : Jared Wiens
Address : 99 Commerce Drive
Winnipeg Manitoba Canada R3P 0Y7
Telephone : —
Project : 60705950 Task 104
PO : —
C-O-C number : —
Sampler : —
Site : —
Quote number : 2025 Standing offer
No. of samples received : 34
No. of samples analysed : 34

Laboratory : ALS Environmental - Winnipeg
Account Manager : Judy Dalmaier
Address : 1329 Niakwa Road East, Unit 12
Winnipeg MB Canada R2J 3T4
E-mail : Judy.Dalmaier@ALSGlobal.com
Telephone : +1 204 255 9720
Date Samples Received : 23-Jul-2025 08:16
Date Analysis Commenced : 24-Jul-2025
Issue Date : 31-Jul-2025 14:13

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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
Amaninder Dhillon		Organics, Waterloo, Ontario
Andrew Beckett		Organics, Winnipeg, Manitoba
Greg Pokocky		Metals, Waterloo, Ontario
Jon Fisher		Metals, Waterloo, Ontario
Livia Ciolan		Organics, Winnipeg, Manitoba
Manjit Brar		Organics, Winnipeg, Manitoba
Min-Xian Ngae		Organics, Winnipeg, Manitoba
Nik Perkio		Metals, Waterloo, Ontario
Ryan Velasco		Organics, Winnipeg, Manitoba
Walt Kippenhuck		Metals, Waterloo, 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).

Unit	Description
-	no units
%	percent
mg/kg	milligrams per kilogram

<: less than.

>: greater than.

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.

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
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
DUPH	Duplicate results outside ALS DQO, due to sample heterogeneity.
EMPC	Estimated Maximum Possible Concentration. The EDL for the analyte was raised due to interference or positive identification criteria failure.
FR4	As per applicable reference method(s), soil:water ratio for Fixed Ratio Leach was modified to 1:4 due to high soil organic content.
SLMI	Surrogate recovery was outside ALS DQO (Low) due to Matrix Interference



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

Sub-Matrix: Soil/Solid (Matrix: Soil/Solid)					Client sample ID	SP25-1-1 —	SP25-1-2 —	SP25-1-3 —	SP25-1-4 —	SP25-1-5 —
Client sampling date / time					22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-001	WP2511636-002	WP2511636-003	WP2511636-004	WP2511636-005	
					Result	Result	Result	Result	Result	
Physical Tests										
Moisture	—	E144/WP	0.25	%	17.2	15.7	15.5	15.2	16.3	
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	0.59	0.67	0.73	0.49	0.35	
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	6.55	6.62	7.31	6.80	6.29	
Barium	7440-39-3	E440C/WT	0.50	mg/kg	169	249	194	166	176	
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.89	0.86	1.01	0.82	0.84	
Boron	7440-42-8	E440C/WT	5.0	mg/kg	20.7	21.8	27.2	20.6	21.9	
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	0.90	0.72	0.88	0.71	0.80	
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	0.514	0.434	0.518	0.353	0.311	
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	57.5	54.6	65.0	48.1	40.7	
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	10.4	10.2	10.7	10.8	10.1	
Copper	7440-50-8	E440C/WT	0.50	mg/kg	31.2	30.4	33.0	28.6	24.2	
Lead	7439-92-1	E440C/WT	0.50	mg/kg	31.2	31.4	35.8	21.6	12.8	
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	0.194	0.210	0.201	0.108	0.0462	
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	0.49	0.52	0.70	0.44	0.53	
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	30.7	30.2	32.8	31.7	30.1	
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	0.39	0.24	0.26	0.21	<0.20	
Silver	7440-22-4	E440C/WT	0.10	mg/kg	0.86	0.72	1.06	0.45	0.18	
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.275	0.267	0.317	0.269	0.256	
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	2.06	1.50	3.06	1.54	1.39	
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	68.4	66.5	74.4	68.5	67.9	



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-001	WP2511636-002	WP2511636-003	WP2511636-004	WP2511636-005
						Result	Result	Result	Result	Result
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg		99.8	102	115	126	70.5
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg		0.12	0.23	0.34	0.29	0.17
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015
Toluene	108-88-3	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
BTEX, total	—	E611A/WP	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-		Yes	Yes	Yes	Yes	Yes
F1 (C6-C10)	—	E581.F1/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	—	E601.SG/WP	25	mg/kg		<25	<25	<25	<25	<25
F3 (C16-C34)	—	E601.SG/WP	50	mg/kg		51	80	101	<50	75
F4 (C34-C50)	—	E601.SG/WP	50	mg/kg		<50	<50	54	<50	<50
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg		<75	80	155	<75	75
TEH (C16-C50)	—	E601.SG/WP	75	mg/kg		<75	80	155	<75	75
F1-BTEX	—	EC580/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.0



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-001	WP2511636-002	WP2511636-003	WP2511636-004	WP2511636-005
						Result	Result	Result	Result	Result
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		92.4	99.6	93.0	97.4	95.9
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		96.5	87.2	87.3	91.2	93.9
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		119	104	87.9	84.6	92.2
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		127	106	82.4	91.8	94.3
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		<0.0050	<0.0050	0.0081	<0.0050	<0.0050
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		<0.0040	0.0075	0.0132	0.0097	<0.0040
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		<0.010	0.022	0.039	0.025	<0.010
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		<0.010	0.026	0.045	0.028	<0.010
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		<0.010	0.031	0.054	0.033	<0.010
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		<0.015	0.045	0.075	0.047	<0.015
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		<0.010	0.022	0.035	0.021	<0.010
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		<0.010	0.014	0.021	0.014	<0.010
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		<0.010	0.028	0.049	0.030	<0.010
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		<0.0050	0.0050	0.0078	<0.0050	<0.0050
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		0.013 ^{DUPH}	0.046	0.085	0.057	0.011
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		<0.010	0.022	0.032	0.019	<0.010



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-1	SP25-1-2	SP25-1-3	SP25-1-4	SP25-1-5
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-001	WP2511636-002	WP2511636-003	WP2511636-004	WP2511636-005
						Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 1+2-	—	E641A-L/WT	0.015	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg		<0.010	0.012	0.012	<0.010	<0.010
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg		<0.010	0.031	0.057	0.037	<0.010
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg		0.011 ^{DUPH}	0.039	0.074	0.047	<0.010
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
B(a)P total potency equivalents [B(a)P TPE]	—	E641A-L/WT	0.020	mg/kg		<0.020	0.040	0.068	0.040	<0.020
IACR (CCME)	—	E641A-L/WT	0.150	-		<0.150	0.465	0.783	0.480	<0.150
IACR AB (coarse)	—	E641A-L/WT	0.10	-		<0.10	<0.10	<0.10	<0.10	<0.10
IACR AB (fine)	—	E641A-L/WT	0.10	-		<0.10	<0.10	<0.10	<0.10	<0.10
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg		<0.040	0.216	0.390	0.234	<0.040
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg		<0.140	0.308	0.533	0.338	<0.140
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg		<0.040	0.294	0.520	0.321	<0.040
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		95.0	93.5	91.8	91.8	88.9
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		98.2	94.0	92.2	91.9	90.8
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		102	98.8	96.7	96.7	95.8
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		99.3	98.4	97.2	96.3	95.1

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



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-006	WP2511636-007	WP2511636-008	WP2511636-009	WP2511636-010
						Result	Result	Result	Result	Result
Physical Tests										
Moisture	—	E144/WP	0.25	%		14.4	18.9	14.8	14.8	13.9
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg		0.46	0.46	0.44	1.12	0.46
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg		7.11	6.96	6.28	6.73	6.61
Barium	7440-39-3	E440C/WT	0.50	mg/kg		162	175	172	179	160
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg		0.86	0.89	0.85	0.86	0.75
Boron	7440-42-8	E440C/WT	5.0	mg/kg		19.5	20.0	21.3	22.8	19.6
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg		0.43	0.62	0.74	0.67	0.49
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg		0.308	0.337	0.294	0.376	0.308
Chromium	7440-47-3	E440C/WT	0.50	mg/kg		41.5	44.9	40.0	47.6	37.2
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg		10.9	11.3	10.0	11.2	10.1
Copper	7440-50-8	E440C/WT	0.50	mg/kg		28.5	27.0	25.2	28.8	25.2
Lead	7439-92-1	E440C/WT	0.50	mg/kg		19.0	17.3	17.0	28.7	17.8
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg		0.119	0.0667	0.0893	0.0987	0.0899
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg		0.55	0.44	0.65	0.59	0.57
Nickel	7440-02-0	E440C/WT	0.50	mg/kg		32.2	32.5	30.6	33.4	29.2
Selenium	7782-49-2	E440C/WT	0.20	mg/kg		<0.20	<0.20	0.22	<0.20	0.21
Silver	7440-22-4	E440C/WT	0.10	mg/kg		0.34	0.27	0.27	0.40	0.28
Thallium	7440-28-0	E440C/WT	0.050	mg/kg		0.266	0.276	0.253	0.271	0.250
Uranium	7440-61-1	E440C/WT	0.050	mg/kg		1.16	1.68	1.55	1.70	1.56
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg		63.8	68.2	61.6	67.5	59.1



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-006	WP2511636-007	WP2511636-008	WP2511636-009	WP2511636-010
						Result	Result	Result	Result	Result
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg		86.6	84.2	72.4	84.5	81.3
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg		0.23	0.20	0.18	0.26	0.13
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015
Toluene	108-88-3	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
BTEX, total	—	E611A/WP	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-		Yes	Yes	Yes	Yes	Yes
F1 (C6-C10)	—	E581.F1/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	—	E601.SG/WP	25	mg/kg		<25	<25	<25	<25	<25
F3 (C16-C34)	—	E601.SG/WP	50	mg/kg		<50	56	76	88	103
F4 (C34-C50)	—	E601.SG/WP	50	mg/kg		<50	<50	<50	<50	54
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg		<75	<75	76	88	157
TEH (C16-C50)	—	E601.SG/WP	75	mg/kg		<75	<75	76	88	157
F1-BTEX	—	EC580/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.0



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-006	WP2511636-007	WP2511636-008	WP2511636-009	WP2511636-010
						Result	Result	Result	Result	Result
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		89.9	97.0	104	92.3	91.4
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		79.1	90.1	96.3	88.1	95.3
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		100	81.6	108	125	99.7
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		107	81.4	112	92.2	96.5
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		0.0115	0.0160	0.0449	0.0058	0.0364
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		0.0076	<0.0050	0.0060	0.0286	<0.0050
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		<0.010	0.018	0.020	<0.010	0.014
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		0.0299	0.122	0.0846	0.0571	0.0746
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		0.094	0.268	0.161	0.039	0.152
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		0.112	0.253	0.152	0.053	0.146
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		0.117	0.312	0.183	0.059	0.172
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		0.166	0.440	0.258	0.083	0.247
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		0.085	0.145	0.079	0.085	0.086
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		0.049	0.128	0.075	0.024	0.075
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		0.105	0.276	0.188	0.050	0.159
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		0.0188	0.0390	0.0259	0.0111	0.0236
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		0.189	0.718	0.428	0.090	0.377
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		0.010	0.021	0.067	<0.010	0.030
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		0.076	0.163	0.088	0.059	0.091



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-6	SP25-1-7	SP25-1-8	SP25-1-9	SP25-1-10
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-006	WP2511636-007	WP2511636-008	WP2511636-009	WP2511636-010
						Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	0.013	<0.010	<0.010
Methylnaphthalene, 1+2-	—	E641A-L/WT	0.015	mg/kg		<0.015	<0.015	0.031	<0.015	<0.015
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	0.018	<0.010	<0.010
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	0.024	0.011	<0.010
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg		0.109	0.488	0.479	0.062	0.287
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg		0.181	0.549	0.334	0.076	0.295
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
B(a)P total potency equivalents [B(a)P TPE]	—	E641A-L/WT	0.020	mg/kg		0.166	0.383	0.231	0.084	0.221
IACR (CCME)	—	E641A-L/WT	0.150	-		1.80	4.63	2.76	0.886	2.62
IACR AB (coarse)	—	E641A-L/WT	0.10	-		<0.10	0.21	0.12	<0.10	0.12
IACR AB (fine)	—	E641A-L/WT	0.10	-		0.16	0.40	0.24	<0.10	0.23
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg		0.868	2.75	2.01	0.484	1.58
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg		1.20	3.50	2.42	0.716	2.01
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg		1.19	3.50	2.42	0.711	2.00
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		90.0	93.2	89.3	95.1	92.4
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		88.8	93.7	89.2	94.3	91.7
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.0	98.1	92.5	98.5	95.0
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		93.5	97.8	93.1	98.4	95.6

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



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-011	WP2511636-012	WP2511636-013	WP2511636-014	WP2511636-015
						Result	Result	Result	Result	Result
Physical Tests										
Moisture	—	E144/WP	0.25	%		13.9	15.1	14.7	11.8	18.4
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg		0.68	0.65	0.91	0.20	0.38
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg		7.02	6.00	7.17	3.22	6.70
Barium	7440-39-3	E440C/WT	0.50	mg/kg		175	164	204	100	172
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg		0.82	0.80	0.78	0.40	0.97
Boron	7440-42-8	E440C/WT	5.0	mg/kg		22.5	20.5	21.1	17.3	22.2
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg		0.66	0.11	0.84	0.46	0.47
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg		0.406	0.371	1.17	0.148	0.265
Chromium	7440-47-3	E440C/WT	0.50	mg/kg		46.0	47.0	108	23.2	50.2
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg		10.2	9.19	9.94	5.75	14.4
Copper	7440-50-8	E440C/WT	0.50	mg/kg		33.7	25.6	50.3	14.4	30.5
Lead	7439-92-1	E440C/WT	0.50	mg/kg		30.7	24.4	52.6	7.70	15.1
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg		0.146	0.109	0.567	0.0286	0.0534
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg		0.71	0.44	0.64	0.36	0.75
Nickel	7440-02-0	E440C/WT	0.50	mg/kg		30.6	27.6	32.8	16.8	38.4
Selenium	7782-49-2	E440C/WT	0.20	mg/kg		0.24	0.23	0.34	0.21	0.51
Silver	7440-22-4	E440C/WT	0.10	mg/kg		0.43	0.38	2.57	0.11	0.24
Thallium	7440-28-0	E440C/WT	0.050	mg/kg		0.244	0.236	0.271	0.144	0.328
Uranium	7440-61-1	E440C/WT	0.050	mg/kg		1.66	1.24	1.80	0.893	1.60
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg		66.4	60.5	62.6	34.0	72.5



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-011	WP2511636-012	WP2511636-013	WP2511636-014	WP2511636-015
						Result	Result	Result	Result	Result
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg		97.6	77.6	160	37.1	84.6
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg		0.14	0.26	0.27	0.12	0.21
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015
Toluene	108-88-3	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
BTEX, total	—	E611A/WP	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-		Yes	Yes	Yes	Yes	Yes
F1 (C6-C10)	—	E581.F1/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.3
F2 (C10-C16)	—	E601.SG/WP	25	mg/kg		<25	<25	<25	<25	<25
F3 (C16-C34)	—	E601.SG/WP	50	mg/kg		109	132	177	84	87
F4 (C34-C50)	—	E601.SG/WP	50	mg/kg		61	92	110	<50	56
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg		170	224	287	84	143
TEH (C16-C50)	—	E601.SG/WP	75	mg/kg		170	224	287	84	143
F1-BTEX	—	EC580/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.3



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-011	WP2511636-012	WP2511636-013	WP2511636-014	WP2511636-015
						Result	Result	Result	Result	Result
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		91.4	89.1	93.2	90.8	88.5
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		90.3	89.0	90.8	76.2	99.8
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		101	87.9	94.3	87.4	91.8
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		94.8	89.8	96.3	91.1	90.0
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		0.0115	0.0054	0.0153	<0.0050	0.0161
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		0.0128	<0.0050	0.0076	<0.0050	0.0131
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		0.0316	0.0150	0.0396	0.0088	0.0334
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		0.075	0.040	0.122	0.024	0.057
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		0.085	0.044	0.129	0.025	0.064
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		0.109	0.053	0.152	0.033	0.079
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		0.155	0.075	0.214	0.046	0.109
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		0.066	0.039	0.092	0.018	0.048
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		0.046	0.022	0.062	0.013	0.030
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		0.094	0.052	0.140	0.030	0.064
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		0.0172	0.0082	0.0223	0.0051	0.0104
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		0.198	0.093	0.250	0.063	0.155
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		0.014	<0.010	0.019	<0.010	0.016
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		0.065	0.035	0.087	0.019	0.047



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-11	SP25-1-12	SP25-1-13	SP25-1-14	SP25-1-15
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-011	WP2511636-012	WP2511636-013	WP2511636-014	WP2511636-015
						Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	0.014	<0.010	<0.010
Methylnaphthalene, 1+2-	—	E641A-L/WT	0.015	mg/kg		<0.015	<0.015	0.048	<0.015	<0.015
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg		0.011	<0.010	0.034	<0.010	0.011
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg		0.011	<0.010	0.016	<0.010	0.029
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg		0.158	0.061	0.172	0.042	0.152
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg		0.157	0.078	0.219	0.050	0.135
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
B(a)P total potency equivalents [B(a)P TPE]	—	E641A-L/WT	0.020	mg/kg		0.133	0.068	0.196	0.039	0.097
IACR (CCME)	—	E641A-L/WT	0.150	-		1.58	0.788	2.26	0.474	1.13
IACR AB (coarse)	—	E641A-L/WT	0.10	-		<0.10	<0.10	0.10	<0.10	<0.10
IACR AB (fine)	—	E641A-L/WT	0.10	-		0.14	<0.10	0.20	<0.10	<0.10
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg		0.876	0.397	1.18	0.248	0.756
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg		1.15	0.558	1.54	0.346	0.949
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg		1.15	0.546	1.54	0.331	0.949
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		90.9	80.5	91.3	94.7	93.5
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		89.0	81.0	89.3	91.6	91.4
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		94.1	84.7	94.3	95.8	95.8
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		94.5	84.7	94.8	96.9	95.9

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



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-16	SP25-2-1	SP25-2-2	SP25-3-1	SP25-3-2
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-016	WP2511636-017	WP2511636-018	WP2511636-019	WP2511636-020
						Result	Result	Result	Result	Result
Physical Tests										
Moisture	—	E144/WP	0.25	%		13.6	10.1	11.0	14.8	15.4
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg		0.44	0.30	0.32	1.11	3.62
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg		5.50	6.77	7.03	7.84	12.7
Barium	7440-39-3	E440C/WT	0.50	mg/kg		139	172	187	228	418
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg		0.65	0.46	0.50	0.78	0.75
Boron	7440-42-8	E440C/WT	5.0	mg/kg		19.4	15.5	17.0	16.9	16.2
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg		0.66	0.46	0.46	0.60	0.81
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg		0.346	0.310	0.312	2.10	10.4
Chromium	7440-47-3	E440C/WT	0.50	mg/kg		40.9	18.4	19.3	177	744
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg		8.66	6.94	7.20	10.2	7.93
Copper	7440-50-8	E440C/WT	0.50	mg/kg		24.2	15.5	15.6	67.6	253
Lead	7439-92-1	E440C/WT	0.50	mg/kg		15.3	8.89	9.10	76.3	348
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg		0.0928	0.0379	0.0347	1.16	6.03
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg		0.58	0.39	0.43	0.97	1.82
Nickel	7440-02-0	E440C/WT	0.50	mg/kg		25.9	18.5	19.0	36.1	55.8
Selenium	7782-49-2	E440C/WT	0.20	mg/kg		0.24	0.36	0.39	0.43	1.15
Silver	7440-22-4	E440C/WT	0.10	mg/kg		0.40	<0.10	<0.10	5.06	23.4
Thallium	7440-28-0	E440C/WT	0.050	mg/kg		0.221	0.204	0.221	0.268	0.335
Uranium	7440-61-1	E440C/WT	0.050	mg/kg		1.11	1.13	1.19	1.73	4.29
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg		53.7	38.2	39.9	57.1	44.8



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-1-16	SP25-2-1	SP25-2-2	SP25-3-1	SP25-3-2
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-016	WP2511636-017	WP2511636-018	WP2511636-019	WP2511636-020
						Result	Result	Result	Result	Result
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg		70.0	60.3	61.7	215	937
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg		0.13	<0.10	<0.10	0.65	0.92
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg		<0.015	<0.015	<0.015	<0.015	<0.015
Toluene	108-88-3	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	0.036
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
BTEX, total	—	E611A/WP	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-		Yes	Yes	Yes	No	No
F1 (C6-C10)	—	E581.F1/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.0
F2 (C10-C16)	—	E601.SG/WP	25	mg/kg		<25	<25	<25	<25	<25
F3 (C16-C34)	—	E601.SG/WP	50	mg/kg		79	62	61	295	802
F4 (C34-C50)	—	E601.SG/WP	50	mg/kg		54	55	<50	179	485
F4G-sg	—	E601.F4G/WP	500	mg/kg		—	—	—	660	1590
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg		133	117	<75	474	1290
TEH (C16-C50)	—	E601.SG/WP	75	mg/kg		133	117	<75	474	1290
F1-BTEX	—	EC580/WP	5.0	mg/kg		<5.0	<5.0	<5.0	<5.0	<5.0



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-16	SP25-2-1	SP25-2-2	SP25-3-1	SP25-3-2
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-016	WP2511636-017	WP2511636-018	WP2511636-019	WP2511636-020
						Result	Result	Result	Result	Result
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		99.3	87.9	90.1	90.4	89.4
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		88.2	84.8	85.2	96.0	59.1 ^{SLM}
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		86.1	72.0	92.2	79.4	71.3
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		87.6	76.0	90.7	77.6	70.3
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		0.0073	<0.0050	<0.0050	0.0110	0.0506
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		<0.0050	0.0051	<0.0050	0.0143	0.0448
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	0.033 ^{EMPC}
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		0.0206	0.0095 ^{EMPC}	<0.0040	0.0327	0.131
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		0.047	0.017	<0.010	0.075	0.351
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		0.051	0.016	<0.010	0.088	0.407
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		0.056	0.027	0.010	0.110	0.523
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		0.080	0.037	<0.015	0.155	0.734
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		0.036	0.013	<0.010	0.103	0.414
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		0.024	0.010	<0.010	0.045	0.211
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		0.050	0.026	<0.010	0.091	0.422
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		0.0080	<0.0050	<0.0050	0.0181	0.0786
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		0.109	0.054	0.012	0.172	0.771
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	0.014	0.058
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		0.036	0.014	<0.010	0.080	0.343



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-1-16	SP25-2-1	SP25-2-2	SP25-3-1	SP25-3-2
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-016	WP2511636-017	WP2511636-018	WP2511636-019	WP2511636-020
						Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	0.015	0.069
Methylnaphthalene, 1+2-	—	E641A-L/WT	0.015	mg/kg		<0.015	<0.015	<0.015	0.057	0.239
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	0.042	0.170
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	0.018	0.073
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg		0.087	0.039	<0.010	0.128	0.583
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg		0.092	0.038	0.010	0.150	0.678
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg		<0.010	<0.010	<0.010	<0.010	<0.010
B(a)P total potency equivalents [B(a)P TPE]	—	E641A-L/WT	0.020	mg/kg		0.076	0.026	<0.020	0.139	0.637
IACR (CCME)	—	E641A-L/WT	0.150	-		0.857	0.356	<0.150	1.60	7.48
IACR AB (coarse)	—	E641A-L/WT	0.10	-		<0.10	<0.10	<0.10	<0.10	0.34
IACR AB (fine)	—	E641A-L/WT	0.10	-		<0.10	<0.10	<0.10	0.14	0.66
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg		0.472	0.205	<0.040	0.854	3.82
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg		0.636	0.284	<0.140	1.15	5.14
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg		0.624	0.269	<0.040	1.15	5.14
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		93.5	95.8	90.2	95.5	91.5
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		90.3	92.4	86.8	92.4	87.7
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.3	97.2	91.5	97.6	94.7
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		96.5	98.2	93.4	98.4	95.7

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



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-021	WP2511636-022	WP2511636-023	WP2511636-024	WP2511636-025
						Result	Result	Result	Result	Result
Physical Tests										
Moisture	—	E144/WP	0.25	%		17.0	15.3	16.2	17.9	16.0
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg		5.53	5.01	3.28	4.21	4.86
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg		18.9	16.7	12.6	15.8	14.7
Barium	7440-39-3	E440C/WT	0.50	mg/kg		574	552	394	508	509
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg		0.82	0.79	0.92	0.87	0.80
Boron	7440-42-8	E440C/WT	5.0	mg/kg		17.8	18.4	22.4	18.6	17.6
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg		2.43 DLM, FR4	1.32	1.15	1.17	1.44
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg		15.8	13.8	8.12	12.7	12.5
Chromium	7440-47-3	E440C/WT	0.50	mg/kg		1080	1040	598	837	835
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg		10.7	9.04	11.4	10.6	9.98
Copper	7440-50-8	E440C/WT	0.50	mg/kg		349	337	206	292	292
Lead	7439-92-1	E440C/WT	0.50	mg/kg		496	449	258	386	395
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg		8.03	7.66	3.76	6.02	5.93
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg		2.97	2.53	1.94	2.37	2.20
Nickel	7440-02-0	E440C/WT	0.50	mg/kg		79.2	73.6	60.0	70.7	69.8
Selenium	7782-49-2	E440C/WT	0.20	mg/kg		1.64	1.55	1.05	1.28	1.39
Silver	7440-22-4	E440C/WT	0.10	mg/kg		34.9	30.8	18.0	28.5	27.8
Thallium	7440-28-0	E440C/WT	0.050	mg/kg		0.426	0.371	0.374	0.412	0.416
Uranium	7440-61-1	E440C/WT	0.050	mg/kg		4.57	4.41	3.14	3.94	4.04
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg		53.6	50.0	66.8	57.6	51.9



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-021	WP2511636-022	WP2511636-023	WP2511636-024	WP2511636-025
						Result	Result	Result	Result	Result
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg		1450	1250	749	986	1070
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg		0.54	0.18	0.83	0.78	0.17
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg		0.019	<0.015	<0.015	<0.015	<0.015
Toluene	108-88-3	E611A/WP	0.050	mg/kg		0.097	0.091	<0.050	<0.050	<0.050
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg		0.056	0.032	<0.030	0.033	0.033
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg		0.056	<0.050	<0.050	<0.050	<0.050
BTEX, total	—	E611A/WP	0.10	mg/kg		0.17	0.12	<0.10	<0.10	<0.10
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-		No	No	No	No	No
F1 (C6-C10)	—	E581.F1/WP	5.0	mg/kg		<6.3	<5.0	<5.1	<5.6	<5.0
F2 (C10-C16)	—	E601.SG/WP	25	mg/kg		29	<25	<25	<25	<25
F3 (C16-C34)	—	E601.SG/WP	50	mg/kg		2620	1040	775	2000	934
F4 (C34-C50)	—	E601.SG/WP	50	mg/kg		1550	617	439	1280	571
F4G-sg	—	E601.F4G/WP	500	mg/kg		5510	1920	1570	4780	2190
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg		4200	1660	1210	3280	1500
TEH (C16-C50)	—	E601.SG/WP	75	mg/kg		4170	1660	1210	3280	1500
F1-BTEX	—	EC580/WP	5.0	mg/kg		<6.3	<5.0	<5.1	<5.6	<5.0



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-021	WP2511636-022	WP2511636-023	WP2511636-024	WP2511636-025
						Result	Result	Result	Result	Result
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		102	94.4	98.6	89.4	87.8
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		83.2	75.9	70.4	79.9	78.6
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		89.6	117	115	124	105
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		85.1	126	121	124	110
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		0.0456	0.351	<0.0380 ^{DLM}	<0.0398 ^{DLM}	0.0392
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		<0.0384 ^{DLM}	0.135	<0.0380 ^{DLM}	<0.0398 ^{DLM}	<0.0380 ^{DLM}
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		<0.038 ^{DLM}	0.164 ^{EMPC}	<0.038 ^{DLM}	<0.040 ^{DLM}	<0.038 ^{DLM}
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		0.117	1.28	<0.0380 ^{DLM}	0.0422	0.0722
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		0.302	2.10	0.091	0.143	0.241
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		0.388	1.68	0.112	0.211	0.290
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		0.503	2.07	0.155	0.289	0.395
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		0.716	2.97	0.207	0.389	0.570
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		0.504	0.904	0.146	0.293	0.326
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		0.213	0.898	0.052	0.100	0.175
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		0.400	2.16	0.100	0.184	0.320
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		0.0842	0.293	<0.0380 ^{DLM}	<0.0398 ^{DLM}	0.0544
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		0.678	4.79	0.184	0.275	0.546
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		0.050	0.733	<0.038 ^{DLM}	<0.040 ^{DLM}	0.042
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		0.384	0.989	0.117	0.221	0.278



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-3	SP25-3-4	SP25-3-5	SP25-3-6	SP25-3-7
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-021	WP2511636-022	WP2511636-023	WP2511636-024	WP2511636-025
						Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg		0.108	0.207	0.051	0.056	0.060
Methylnaphthalene, 1+2-	—	E641A-L/WT	0.015	mg/kg		0.422	0.606	0.200	0.241	0.238
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg		0.314	0.399	0.149	0.185	0.178
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg		0.136	0.756	0.050	0.081	0.076
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg		0.554	5.03	0.122	0.214	0.450
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg		0.617	3.77	0.158	0.253	0.472
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg		<0.038 ^{DLM}	<0.034 ^{DLM}	<0.038 ^{DLM}	<0.040 ^{DLM}	<0.038 ^{DLM}
B(a)P total potency equivalents [B(a)P TPE]	—	E641A-L/WT	0.020	mg/kg		0.621	2.61	0.158	0.294	0.460
IACR (CCME)	—	E641A-L/WT	0.150	-		7.21	32.2	2.00	3.66	5.62
IACR AB (coarse)	—	E641A-L/WT	0.10	-		0.34	1.48	<0.10	0.17	0.27
IACR AB (fine)	—	E641A-L/WT	0.10	-		0.64	2.81	0.17	0.32	0.51
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg		3.68	23.5	0.966	1.59	2.78
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg		4.98	27.9	1.30	2.32	3.78
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg		4.98	27.9	1.29	2.31	3.78
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		81.8	82.4	86.9	89.2	78.4
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		84.6	87.3	90.8	92.1	87.0
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		94.8	95.2	95.3	101	96.8
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		94.6	93.8	96.5	98.2	96.4

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



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-8	SP25-3-9	SP25-3-10	SP25-3-11	SP25-3-12
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-026	WP2511636-027	WP2511636-028	WP2511636-029	WP2511636-030
						Result	Result	Result	Result	Result
Physical Tests										
Moisture	—	E144/WP	0.25	%		20.3	18.5	18.1	22.2	19.0
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg		3.87	4.56	4.18	5.88	6.09
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg		13.8	13.2	14.1	16.3	16.5
Barium	7440-39-3	E440C/WT	0.50	mg/kg		476	477	491	570	502
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg		0.76	0.73	0.80	0.73	0.78
Boron	7440-42-8	E440C/WT	5.0	mg/kg		17.7	15.8	18.9	17.6	21.1
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg		2.32 DLM, FR4	1.83 DLM, FR4	1.55	2.18 DLM, FR4	1.88
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg		11.4	12.1	11.8	16.4	15.8
Chromium	7440-47-3	E440C/WT	0.50	mg/kg		747	771	786	1040	985
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg		9.42	9.16	9.58	8.37	9.14
Copper	7440-50-8	E440C/WT	0.50	mg/kg		273	286	275	357	330
Lead	7439-92-1	E440C/WT	0.50	mg/kg		349	363	355	481	481
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg		5.36	5.60	5.18	7.50	7.06
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg		2.10	1.85	1.72	2.19	2.89
Nickel	7440-02-0	E440C/WT	0.50	mg/kg		64.8	65.5	64.9	75.4	73.4
Selenium	7782-49-2	E440C/WT	0.20	mg/kg		1.19	1.22	1.20	1.59	1.52
Silver	7440-22-4	E440C/WT	0.10	mg/kg		28.6	25.7	28.0	34.5	35.0
Thallium	7440-28-0	E440C/WT	0.050	mg/kg		0.395	0.403	0.404	0.469	0.477
Uranium	7440-61-1	E440C/WT	0.050	mg/kg		3.63	3.72	3.58	4.35	4.33
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg		50.8	47.7	52.2	46.8	52.8



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-8	SP25-3-9	SP25-3-10	SP25-3-11	SP25-3-12
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-026	WP2511636-027	WP2511636-028	WP2511636-029	WP2511636-030
						Result	Result	Result	Result	Result
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg		1200	1010	986	1300	1230
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg		0.20	0.13	0.16	<0.10	0.11
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg		<0.015	<0.015	<0.015	0.015	<0.015
Toluene	108-88-3	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	<0.050	<0.050
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg		<0.030	0.039	<0.030	0.052	0.052
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg		<0.030	<0.030	<0.030	<0.030	<0.030
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg		<0.050	<0.050	<0.050	0.052	0.052
BTEX, total	—	E611A/WP	0.10	mg/kg		<0.10	<0.10	<0.10	<0.10	<0.10
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-		No	No	No	No	No
F1 (C6-C10)	—	E581.F1/WP	5.0	mg/kg		<5.3	<5.9	<5.0	<5.6	<5.3
F2 (C10-C16)	—	E601.SG/WP	25	mg/kg		<25	25	<25	36	38
F3 (C16-C34)	—	E601.SG/WP	50	mg/kg		1750	2240	1440	2720	2650
F4 (C34-C50)	—	E601.SG/WP	50	mg/kg		1040	1480	951	1770	1600
F4G-sg	—	E601.F4G/WP	500	mg/kg		3580	3760	3180	5870	5790
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg		2790	3740	2390	4530	4290
TEH (C16-C50)	—	E601.SG/WP	75	mg/kg		2790	3720	2390	4490	4250
F1-BTEX	—	EC580/WP	5.0	mg/kg		<5.3	<5.9	<5.0	<5.6	<5.3



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-3-8	SP25-3-9	SP25-3-10	SP25-3-11	SP25-3-12
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-026	WP2511636-027	WP2511636-028	WP2511636-029	WP2511636-030
						Result	Result	Result	Result	Result
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		85.3	102	84.7	78.9	82.1
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		70.1	74.7	73.8	79.0	51.2 ^{SLM}
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		78.6	82.9	103	87.5	84.2
Diffuorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		74.0	86.9	107	90.2	84.5
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		<0.0405 ^{DLM}	<0.0386 ^{DLM}	<0.0396 ^{DLM}	<0.0421 ^{DLM}	<0.0400 ^{DLM}
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		<0.0405 ^{DLM}	<0.0386 ^{DLM}	<0.0396 ^{DLM}	0.0423	<0.0400 ^{DLM}
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		<0.040 ^{DLM}	<0.038 ^{DLM}	<0.040 ^{DLM}	<0.042 ^{DLM}	<0.040 ^{DLM}
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		0.0816	0.0591	0.0782	0.0636	<0.0400 ^{DLM}
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		0.258	0.202	0.251	0.241	0.127
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		0.328	0.265	0.309	0.349	0.196
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		0.439	0.330	0.433	0.460	0.251
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		0.606	0.464	0.605	0.616	0.343
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		0.484	0.373	0.378	0.562	0.267
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		0.167	0.134	0.172	0.156	0.092
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		0.335	0.260	0.318	0.329	0.168
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		0.0633	0.0421	0.0640	0.0865	0.0455
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		0.579	0.441	0.578	0.458	0.251
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		<0.040 ^{DLM}	<0.038 ^{DLM}	0.051	<0.042 ^{DLM}	<0.040 ^{DLM}
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		0.332	0.262	0.322	0.381	0.226



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-8	SP25-3-9	SP25-3-10	SP25-3-11	SP25-3-12
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-026	WP2511636-027	WP2511636-028	WP2511636-029	WP2511636-030
						Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg		0.069	0.067	0.068	0.108	<0.040 ^{DLM}
Methylnaphthalene, 1+2-	—	E641A-L/WT	0.015	mg/kg		0.264	0.276	0.265	0.462	0.132
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg		0.195	0.209	0.197	0.354	0.132
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg		0.081	0.090	0.090	0.142	0.050
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg		0.393	0.359	0.452	0.370	0.156
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg		0.522	0.394	0.506	0.436	0.234
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg		<0.040 ^{DLM}	<0.038 ^{DLM}	<0.040 ^{DLM}	<0.042 ^{DLM}	<0.040 ^{DLM}
B(a)P total potency equivalents [B(a)P TPE]	—	E641A-L/WT	0.020	mg/kg		0.519	0.406	0.498	0.568	0.315
IACR (CCME)	—	E641A-L/WT	0.150	-		6.08	4.69	5.98	6.28	3.46
IACR AB (coarse)	—	E641A-L/WT	0.10	-		0.28	0.22	0.28	0.27	0.16
IACR AB (fine)	—	E641A-L/WT	0.10	-		0.53	0.41	0.53	0.52	0.30
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg		2.84	2.32	2.89	2.87	1.36
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg		4.07	3.22	4.01	4.08	2.08
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg		4.06	3.21	4.00	4.08	2.06
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%		86.7	82.5	86.4	95.3	85.6
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%		90.2	84.2	87.8	82.4	88.3
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%		95.4	97.0	99.4	93.2	91.7
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%		99.2	95.1	97.1	99.6	95.7

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



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-3-13	DUP-1	DUP-2	DUP-3	---
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	---
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-031	WP2511636-032	WP2511636-033	WP2511636-034	---	---
					Result	Result	Result	Result	---	---
Physical Tests										
Moisture	---	E144/WP	0.25	%	17.2	18.2	13.2	10.7	---	---
Metals										
Antimony	7440-36-0	E440C/WT	0.10	mg/kg	4.69	4.81	0.47	0.33	---	---
Arsenic	7440-38-2	E440C/WT	0.10	mg/kg	15.4	14.3	5.73	8.01	---	---
Barium	7440-39-3	E440C/WT	0.50	mg/kg	544	500	152	214	---	---
Beryllium	7440-41-7	E440C/WT	0.10	mg/kg	0.77	0.82	0.61	0.56	---	---
Boron	7440-42-8	E440C/WT	5.0	mg/kg	19.0	18.7	19.0	17.2	---	---
Boron, hot water soluble	7440-42-8	E487/WT	0.10	mg/kg	1.72	1.24	0.48	0.61	---	---
Cadmium	7440-43-9	E440C/WT	0.020	mg/kg	12.3	11.9	0.374	0.320	---	---
Chromium	7440-47-3	E440C/WT	0.50	mg/kg	835	779	41.6	21.5	---	---
Cobalt	7440-48-4	E440C/WT	0.10	mg/kg	9.85	9.57	8.85	7.97	---	---
Copper	7440-50-8	E440C/WT	0.50	mg/kg	286	288	25.7	17.3	---	---
Lead	7439-92-1	E440C/WT	0.50	mg/kg	391	391	21.3	9.22	---	---
Mercury	7439-97-6	E510C/WT	0.0050	mg/kg	6.37	5.69	0.170	0.0358	---	---
Molybdenum	7439-98-7	E440C/WT	0.10	mg/kg	1.90	1.96	0.50	0.45	---	---
Nickel	7440-02-0	E440C/WT	0.50	mg/kg	69.4	66.7	25.4	21.6	---	---
Selenium	7782-49-2	E440C/WT	0.20	mg/kg	1.37	1.32	0.22	0.40	---	---
Silver	7440-22-4	E440C/WT	0.10	mg/kg	29.2	32.4	0.60	<0.10	---	---
Thallium	7440-28-0	E440C/WT	0.050	mg/kg	0.427	0.436	0.209	0.243	---	---
Uranium	7440-61-1	E440C/WT	0.050	mg/kg	3.94	3.91	1.34	1.24	---	---
Vanadium	7440-62-2	E440C/WT	0.20	mg/kg	55.2	51.7	50.4	44.7	---	---



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-13	DUP-1	DUP-2	DUP-3	---
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	---
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-031	WP2511636-032	WP2511636-033	WP2511636-034	---	---
					Result	Result	Result	Result	---	---
Metals										
Zinc	7440-66-6	E440C/WT	2.0	mg/kg	1200	1000	83.1	66.6	---	---
Speciated Metals										
Chromium, hexavalent [Cr VI]	18540-29-9	E532/WT	0.10	mg/kg	0.46	0.28	<0.10	<0.10	---	---
Volatile Organic Compounds [Fuels]										
Benzene	71-43-2	E611A/WP	0.0050	mg/kg	<0.0050	<0.0050	<0.0050	<0.0050	---	---
Ethylbenzene	100-41-4	E611A/WP	0.015	mg/kg	<0.015	<0.015	<0.015	<0.015	---	---
Toluene	108-88-3	E611A/WP	0.050	mg/kg	<0.050	<0.050	<0.050	<0.050	---	---
Xylene, m+p-	179601-23-1	E611A/WP	0.030	mg/kg	<0.030	0.040	<0.030	<0.030	---	---
Xylene, o-	95-47-6	E611A/WP	0.030	mg/kg	<0.030	<0.030	<0.030	<0.030	---	---
Xylenes, total	1330-20-7	E611A/WP	0.050	mg/kg	<0.050	<0.050	<0.050	<0.050	---	---
BTEX, total	---	E611A/WP	0.10	mg/kg	<0.10	<0.10	<0.10	<0.10	---	---
Hydrocarbons										
Chromatogram to baseline at nC50	n/a	E601.SG/WP	-	-	No	No	Yes	Yes	---	---
F1 (C6-C10)	---	E581.F1/WP	5.0	mg/kg	<5.3	<5.0	<5.0	<5.0	---	---
F2 (C10-C16)	---	E601.SG/WP	25	mg/kg	30	33	<25	<25	---	---
F3 (C16-C34)	---	E601.SG/WP	50	mg/kg	1430	1800	74	<50	---	---
F4 (C34-C50)	---	E601.SG/WP	50	mg/kg	855	1090	<50	<50	---	---
F4G-sg	---	E601.F4G/WP	500	mg/kg	3000	3900	---	---	---	---
TEH (C10-C50)	n/a	E601.SG/WP	75	mg/kg	2320	2920	<75	<75	---	---
TEH (C16-C50)	---	E601.SG/WP	75	mg/kg	2280	2890	<75	<75	---	---
F1-BTEX	---	EC580/WP	5.0	mg/kg	<5.3	<5.0	<5.0	<5.0	---	---



Analytical Results

Sub-Matrix: Soil/Solid
 (Matrix: Soil/Solid)

					Client sample ID	SP25-3-13	DUP-1	DUP-2	DUP-3	---
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	---
Analyte	CAS Number	Method/Lab	LOR	Unit		WP2511636-031	WP2511636-032	WP2511636-033	WP2511636-034	---
						Result	Result	Result	Result	---
Hydrocarbons Surrogates										
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WP	1.0	%		77.0	84.0	90.9	87.0	---
Dichlorotoluene, 3,4-	95-75-0	E581.F1/WP	1.0	%		70.5	44.5 ^{SLM}	79.0	70.0	---
Volatile Organic Compounds Surrogates										
Bromofluorobenzene, 4-	460-00-4	E611A/WP	0.10	%		88.2	73.4	89.8	82.7	---
Difluorobenzene, 1,4-	540-36-3	E611A/WP	0.10	%		90.3	78.2	85.5	82.3	---
Polycyclic Aromatic Hydrocarbons										
Acenaphthene	83-32-9	E641A-L/WT	0.0050	mg/kg		0.144	<0.0376 ^{DLM}	0.970	<0.0050	---
Acenaphthylene	208-96-8	E641A-L/WT	0.0050	mg/kg		<0.0392 ^{DLM}	<0.0376 ^{DLM}	0.0073	<0.0050	---
Acridine	260-94-6	E641A-L/WT	0.010	mg/kg		0.053 ^{EMPC}	<0.038 ^{DLM}	0.256 ^{EMPC}	<0.010	---
Anthracene	120-12-7	E641A-L/WT	0.0040	mg/kg		0.326	0.0657	1.62	<0.0040	---
Benz(a)anthracene	56-55-3	E641A-L/WT	0.010	mg/kg		0.500	0.193	2.38	<0.010	---
Benzo(a)pyrene	50-32-8	E641A-L/WT	0.010	mg/kg		0.448	0.244	2.00	<0.010	---
Benzo(b+j)fluoranthene	n/a	E641A-L/WT	0.010	mg/kg		0.567	0.336	2.53	0.015	---
Benzo(b+j+k)fluoranthene	n/a	E641A-L/WT	0.015	mg/kg		0.802	0.461	3.58	0.015	---
Benzo(g,h,i)perylene	191-24-2	E641A-L/WT	0.010	mg/kg		0.373	0.334	0.885	<0.010	---
Benzo(k)fluoranthene	207-08-9	E641A-L/WT	0.010	mg/kg		0.235	0.125	1.05	<0.010	---
Chrysene	218-01-9	E641A-L/WT	0.010	mg/kg		0.598	0.259	2.26	<0.010	---
Dibenz(a,h)anthracene	53-70-3	E641A-L/WT	0.0050	mg/kg		0.0782	0.0582	0.291	<0.0050	---
Fluoranthene	206-44-0	E641A-L/WT	0.010	mg/kg		1.06	0.420	5.98	0.011	---
Fluorene	86-73-7	E641A-L/WT	0.010	mg/kg		0.206	<0.038 ^{DLM}	0.810	<0.010	---
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L/WT	0.010	mg/kg		0.330	0.267	1.12	<0.010	---



Analytical Results

Sub-Matrix: Soil/Solid

(Matrix: Soil/Solid)

					Client sample ID	SP25-3-13	DUP-1	DUP-2	DUP-3	---
					Client sampling date / time	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	22-Jul-2025 00:00	---
Analyte	CAS Number	Method/Lab	LOR	Unit	WP2511636-031	WP2511636-032	WP2511636-033	WP2511636-034	---	---
					Result	Result	Result	Result		---
Polycyclic Aromatic Hydrocarbons										
Methylnaphthalene, 1-	90-12-0	E641A-L/WT	0.010	mg/kg	0.130	0.081	0.046	<0.010		---
Methylnaphthalene, 1+2-	---	E641A-L/WT	0.015	mg/kg	0.385	0.306	0.104	<0.015		---
Methylnaphthalene, 2-	91-57-6	E641A-L/WT	0.010	mg/kg	0.255	0.225	0.058	<0.010		---
Naphthalene	91-20-3	E641A-L/WT	0.010	mg/kg	0.175	0.072	0.049	<0.010		---
Phenanthrene	85-01-8	E641A-L/WT	0.010	mg/kg	1.37	0.317	6.08	<0.010		---
Pyrene	129-00-0	E641A-L/WT	0.010	mg/kg	0.969	0.375	4.60	<0.010		---
Quinoline	91-22-5	E641A-L/WT	0.010	mg/kg	<0.039 ^{DLM}	<0.038 ^{DLM}	0.011	<0.010		---
B(a)P total potency equivalents [B(a)P TPE]	---	E641A-L/WT	0.020	mg/kg	0.699	0.400	3.03	<0.020		---
IACR (CCME)	---	E641A-L/WT	0.150	-	8.54	4.65	37.9	0.170		---
IACR AB (coarse)	---	E641A-L/WT	0.10	-	0.39	0.21	1.73	<0.10		---
IACR AB (fine)	---	E641A-L/WT	0.10	-	0.74	0.40	3.29	<0.10		---
PAHs, total (BC Sched 3.4)	n/a	E641A-L/WT	0.040	mg/kg	6.13	2.23	27.1	<0.040		---
PAHs, total (EPA 16 - Disposal at Sea)	n/a	E641A-L/WT	0.140	mg/kg	7.38	3.08	32.6	<0.140		---
PAHs, total (EPA 16)	n/a	E641A-L/WT	0.040	mg/kg	7.38	3.06	32.6	<0.040		---
Polycyclic Aromatic Hydrocarbons Surrogates										
Acridine-d9	34749-75-2	E641A-L/WT	0.1	%	85.6	76.0	92.4	90.5		---
Chrysene-d12	1719-03-5	E641A-L/WT	0.1	%	89.1	91.6	89.4	92.1		---
Naphthalene-d8	1146-65-2	E641A-L/WT	0.1	%	93.6	96.9	93.9	97.8		---
Phenanthrene-d10	1517-22-2	E641A-L/WT	0.1	%	93.2	91.1	95.9	96.4		---

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

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: WP2511636	Page	: 1 of 44
Client	: AECOM Canada ULC	Laboratory	: ALS Environmental - Winnipeg
Contact	: Jared Wiens	Account Manager	: Judy Dalmajjer
Address	: 99 Commerce Drive Winnipeg MB Canada R3P 0Y7	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg, Manitoba Canada R2J 3T4
Telephone	: ----	Telephone	: +1 204 255 9720
Project	: 60705950 Task 104	Date Samples Received	: 23-Jul-2025 08:16
PO	: ----	Issue Date	: 31-Jul-2025 14:12
C-O-C number	: ----		
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Standing offer_V2		
No. of samples received	: 34		
No. of samples analysed	: 34		

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 Laboratory Control Sample (LCS) outliers occur
- No Matrix Spike outliers occur.
- Duplicate 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

- 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

- No Quality Control Sample Frequency Outliers occur.



Outliers : Quality Control Samples

Duplicates, Method Blanks, Laboratory Control Samples and Matrix Spikes

Matrix: **Soil/Solid**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Duplicate (DUP) RPDs								
Polycyclic Aromatic Hydrocarbons	WP2511636-001	SP25-1-1	Fluoranthene	206-44-0	E641A-L	0.028 % ^{DUP-H, J}	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).
Polycyclic Aromatic Hydrocarbons	WP2511636-001	SP25-1-1	Pyrene	129-00-0	E641A-L	0.025 % ^{DUP-H, J}	Diff <2x LOR	Low Level DUP DQO exceeded (difference > 2 LOR).

Result Qualifiers

Qualifier Description

DUP-H Duplicate results outside ALS DQO, due to sample heterogeneity.
 J Duplicate results and limits are expressed in terms of absolute difference.

Regular Sample Surrogates

Sub-Matrix: **Soil/Solid**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Result	Limits	Comment
Samples Submitted							
Hydrocarbons Surrogates	WP2511636-020	SP25-3-2	Dichlorotoluene, 3,4-	95-75-0	59.1 %	70.0-130 %	Recovery less than lower data quality objective
Hydrocarbons Surrogates	WP2511636-030	SP25-3-12	Dichlorotoluene, 3,4-	95-75-0	51.2 %	70.0-130 %	Recovery less than lower data quality objective
Hydrocarbons Surrogates	WP2511636-032	DUP-1	Dichlorotoluene, 3,4-	95-75-0	44.5 %	70.0-130 %	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: 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial DUP-1	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-1	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-10	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-11	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-12	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-13	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-14	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-15	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-16	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-2	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-3	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-4	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-5	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-6	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-7	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-8	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-1-9	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-2-1	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-2-2	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-1	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-10	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-11	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-12	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-13	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-2	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-3	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-4	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-5	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-6	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-7	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-8	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial SP25-3-9	E581.F1	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial DUP-2	E581.F1	22-Jul-2025	28-Jul-2025	40 days	6 days	✓	28-Jul-2025	40 days	6 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID										
Glass soil methanol vial DUP-3	E581.F1	22-Jul-2025	28-Jul-2025	40 days	6 days	✓	28-Jul-2025	40 days	6 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-1	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-2	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-3	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-4	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-5	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-6	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-7	E601.SG	22-Jul-2025	23-Jul-2025	14 days	2 days	✓	25-Jul-2025	40 days	2 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-10	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-11	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-12	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-13	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-14	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-15	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-16	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-8	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-1-9	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-2-1	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-2-2	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-1	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-2	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-3	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-4	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-5	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-6	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-7	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-8	E601.SG	22-Jul-2025	25-Jul-2025	14 days	3 days	✓	25-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap DUP-1	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap DUP-2	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap DUP-3	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-10	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-11	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-12	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-13	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F2-F4 by GC-FID										
Glass soil jar/Teflon lined cap SP25-3-9	E601.SG	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	29-Jul-2025	40 days	1 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-1	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-2	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-3	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-4	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-5	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-6	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-7	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-8	E601.F4G	22-Jul-2025	28-Jul-2025	14 days	6 days	✓	28-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap DUP-1	E601.F4G	22-Jul-2025	29-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-10	E601.F4G	22-Jul-2025	29-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-11	E601.F4G	22-Jul-2025	29-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-12	E601.F4G	22-Jul-2025	29-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-13	E601.F4G	22-Jul-2025	29-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Hydrocarbons : CCME PHCs - F4G by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-9	E601.F4G	22-Jul-2025	29-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap DUP-1	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap DUP-2	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-10	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-11	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-12	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-13	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-3	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-4	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-5	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-6	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-7	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-8	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-9	E487	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap DUP-3	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-1	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-10	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-11	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-12	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-13	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-14	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-15	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-16	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-2	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-3	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-4	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-5	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-6	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-7	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-8	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-1-9	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-2-1	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-2-2	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-1	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Boron-Hot Water Extractable by ICPOES										
Glass soil jar/Teflon lined cap SP25-3-2	E487	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	0 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap DUP-3	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	29-Jul-2025	28 days	0 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap DUP-1	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap DUP-2	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-10	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-11	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-12	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-13	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-3	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-4	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-5	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-6	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-7	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-8	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-9	E510C	22-Jul-2025	29-Jul-2025	28 days	7 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-1	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-10	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-11	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-12	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-13	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-14	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-15	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-16	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-2	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-3	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-4	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-5	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-6	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-7	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-8	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-9	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-2-1	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-2-2	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-1	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Mercury in Soil/Solid by CVAAS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-2	E510C	22-Jul-2025	29-Jul-2025	28 days	8 days	✓	30-Jul-2025	28 days	1 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap DUP-1	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap DUP-2	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap DUP-3	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-10	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-11	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-12	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-13	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-3	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-4	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-5	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-6	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-7	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-8	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-9	E440C	22-Jul-2025	29-Jul-2025	180 days	7 days	✓	29-Jul-2025	180 days	7 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-1	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-10	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-11	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-12	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-13	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-14	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-15	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-16	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-2	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-3	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-4	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-5	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-6	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-7	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓



Matrix: Soil/Solid

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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-8	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-1-9	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-2-1	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-2-2	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-1	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Metals : Metals in Soil/Solid by CRC ICPMS (<355 µm)										
Glass soil jar/Teflon lined cap SP25-3-2	E440C	22-Jul-2025	29-Jul-2025	180 days	8 days	✓	29-Jul-2025	180 days	8 days	✓
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap DUP-1	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap DUP-2	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap DUP-3	E144	22-Jul-2025	----	----	----		28-Jul-2025	----	----	



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-1	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-10	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-11	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-12	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-13	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-14	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-15	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-16	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-2	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	



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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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-3	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-4	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-5	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-6	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-7	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-8	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-1-9	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-2-1	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-2-2	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	



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Analyte Group : Analytical Method Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-1	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-10	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-11	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-12	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-13	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-2	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-3	E144	22-Jul-2025	----	----	----		24-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-4	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-5	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	



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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-6	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-7	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-8	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Physical Tests : Moisture Content by Gravimetry										
Glass soil jar/Teflon lined cap SP25-3-9	E144	22-Jul-2025	----	----	----		25-Jul-2025	----	----	
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-1	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-10	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-11	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-12	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-13	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-14	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-15	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-16	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-2	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-3	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-4	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-5	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-6	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-7	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-8	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-1-9	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-2-1	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-2-2	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-1	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-2	E641A-L	22-Jul-2025	27-Jul-2025	14 days	5 days	✓	28-Jul-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap DUP-1	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap DUP-2	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap DUP-3	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-10	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-11	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-12	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-13	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-3	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-4	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-5	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-6	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-7	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-8	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)										
Glass soil jar/Teflon lined cap SP25-3-9	E641A-L	22-Jul-2025	28-Jul-2025	14 days	7 days	✓	29-Jul-2025	40 days	0 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-1	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-10	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-11	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-12	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-13	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-14	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-15	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-16	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-2	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-3	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-4	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-5	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-6	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-7	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-8	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-1-9	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-2-1	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-2-2	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-1	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-2	E532	22-Jul-2025	25-Jul-2025	30 days	4 days	✓	29-Jul-2025	7 days	4 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-10	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-3	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-4	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-5	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-6	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-7	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-8	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-9	E532	22-Jul-2025	28-Jul-2025	30 days	6 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap DUP-3	E532	22-Jul-2025	28-Jul-2025	30 days	7 days	✓	29-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap DUP-1	E532	22-Jul-2025	29-Jul-2025	30 days	8 days	✓	30-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap DUP-2	E532	22-Jul-2025	29-Jul-2025	30 days	8 days	✓	30-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-11	E532	22-Jul-2025	29-Jul-2025	30 days	8 days	✓	30-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-12	E532	22-Jul-2025	29-Jul-2025	30 days	8 days	✓	30-Jul-2025	7 days	1 days	✓
Speciated Metals : Hexavalent Chromium (Cr VI) by IC										
Glass soil jar/Teflon lined cap SP25-3-13	E532	22-Jul-2025	29-Jul-2025	30 days	8 days	✓	30-Jul-2025	7 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial DUP-1	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-1	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-10	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-11	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-12	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-13	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-14	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-15	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-16	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-2	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-3	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-4	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-5	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-6	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-7	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-8	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-1-9	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-2-1	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-2-2	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-1	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-10	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-11	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-12	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-13	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-2	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-3	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-4	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 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		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-5	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-6	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-7	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-8	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial SP25-3-9	E611A	22-Jul-2025	24-Jul-2025	40 days	3 days	✓	24-Jul-2025	40 days	3 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial DUP-2	E611A	22-Jul-2025	28-Jul-2025	40 days	6 days	✓	28-Jul-2025	40 days	6 days	✓
Volatile Organic Compounds : BTEX by Headspace GC-MS										
Glass soil methanol vial DUP-3	E611A	22-Jul-2025	28-Jul-2025	40 days	6 days	✓	28-Jul-2025	40 days	6 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: **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)							
Moisture Content by Gravimetry	E144	2124008	4	66	6.0	5.0	✓
Metals in Soil/Solid by CRC ICPMS (<355 µm)	E440C	2127210	3	47	6.3	5.0	✓
Boron-Hot Water Extractable by ICPOES	E487	2127208	3	58	5.1	5.0	✓
Mercury in Soil/Solid by CVAAS (<355 µm)	E510C	2127209	3	59	5.0	5.0	✓
Hexavalent Chromium (Cr VI) by IC	E532	2127207	4	80	5.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2124740	3	42	7.1	5.0	✓
CCME PHCs - F4G by Gravimetry	E601.F4G	2130184	1	19	5.2	5.0	✓
CCME PHCs - F2-F4 by GC-FID	E601.SG	2122364	3	57	5.2	5.0	✓
BTEX by Headspace GC-MS	E611A	2124739	3	42	7.1	5.0	✓
PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)	E641A-L	2127206	2	34	5.8	5.0	✓
Laboratory Control Samples (LCS)							
Moisture Content by Gravimetry	E144	2124008	4	66	6.0	5.0	✓
Metals in Soil/Solid by CRC ICPMS (<355 µm)	E440C	2127210	6	47	12.7	10.0	✓
Boron-Hot Water Extractable by ICPOES	E487	2127208	6	58	10.3	10.0	✓
Mercury in Soil/Solid by CVAAS (<355 µm)	E510C	2127209	6	59	10.1	10.0	✓
Hexavalent Chromium (Cr VI) by IC	E532	2127207	8	80	10.0	10.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2124740	3	42	7.1	5.0	✓
CCME PHCs - F4G by Gravimetry	E601.F4G	2130184	2	19	10.5	5.0	✓
CCME PHCs - F2-F4 by GC-FID	E601.SG	2122364	3	57	5.2	5.0	✓
BTEX by Headspace GC-MS	E611A	2124739	3	42	7.1	5.0	✓
PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)	E641A-L	2127206	2	34	5.8	5.0	✓
Method Blanks (MB)							
Moisture Content by Gravimetry	E144	2124008	4	66	6.0	5.0	✓
Metals in Soil/Solid by CRC ICPMS (<355 µm)	E440C	2127210	3	47	6.3	5.0	✓
Boron-Hot Water Extractable by ICPOES	E487	2127208	3	58	5.1	5.0	✓
Mercury in Soil/Solid by CVAAS (<355 µm)	E510C	2127209	3	59	5.0	5.0	✓
Hexavalent Chromium (Cr VI) by IC	E532	2127207	4	80	5.0	5.0	✓
CCME PHC - F1 by Headspace GC-FID	E581.F1	2124740	3	42	7.1	5.0	✓
CCME PHCs - F4G by Gravimetry	E601.F4G	2130184	2	19	10.5	5.0	✓
CCME PHCs - F2-F4 by GC-FID	E601.SG	2122364	3	57	5.2	5.0	✓
BTEX by Headspace GC-MS	E611A	2124739	3	42	7.1	5.0	✓
PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)	E641A-L	2127206	2	34	5.8	5.0	✓
Matrix Spikes (MS)							
CCME PHC - F1 by Headspace GC-FID	E581.F1	2124740	3	42	7.1	5.0	✓
CCME PHCs - F4G by Gravimetry	E601.F4G	2130184	1	19	5.2	5.0	✓

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 Project : 60705950 Task 104



Matrix: **Soil/Solid**

Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type			Count		Frequency (%)		
<i>Analytical Methods</i>	<i>Method</i>	<i>QC Lot #</i>	<i>QC</i>	<i>Regular</i>	<i>Actual</i>	<i>Expected</i>	<i>Evaluation</i>
Matrix Spikes (MS) - Continued							
CCME PHCs - F2-F4 by GC-FID	E601.SG	2122364	3	57	5.2	5.0	✔
BTEX by Headspace GC-MS	E611A	2124739	3	42	7.1	5.0	✔
PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)	E641A-L	2127206	2	34	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 - Winnipeg	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.
Metals in Soil/Solid by CRC ICPMS (<355 µm)	E440C ALS Environmental - Waterloo	Soil/Solid	EPA 6020B (mod)	This method is intended to liberate metals that may be environmentally available. Samples are dried, then sieved through a 355 µm sieve, and digested with HNO₃ and HCl. Dependent on sample matrix, some metals may be only partially recovered, including Al, Ba, Be, Cr, Sr, Ti, Tl, V, W, and Zr. Silicate minerals are not solubilized. Volatile forms of sulfur (including sulfide) may not be captured, as they may be lost during sampling, storage, or digestion. This method does not adequately recover elemental sulfur, and is unsuitable for assessment of elemental sulfur standards or guidelines. Analysis is by Collision/Reaction Cell ICPMS.
Boron-Hot Water Extractable by ICPOES	E487 ALS Environmental - Waterloo	Soil/Solid	HW EXTR, EPA 6010B	A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES. Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).
Mercury in Soil/Solid by CVAAS (<355 µm)	E510C ALS Environmental - Waterloo	Soil/Solid	EPA 200.2/1631 Appendix (mod)	Samples are sieved through a 355 µm sieve, and digested with HNO ₃ and HCl, followed by CVAAS analysis.
Hexavalent Chromium (Cr VI) by IC	E532 ALS Environmental - Waterloo	Soil/Solid	APHA 3500-CR C	Instrumental analysis is performed by ion chromatography with UV detection.
CCME PHC - F1 by Headspace GC-FID	E581.F1 ALS Environmental - Winnipeg	Soil/Solid	CCME PHC in Soil - Tier 1	CCME Fraction 1 (F1) is analyzed by static headspace GC-FID. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law. Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Test results are expressed on a dry weight basis. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.



Analytical Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
CCME PHCs - F4G by Gravimetry	E601.F4G ALS Environmental - Winnipeg	Soil/Solid	CCME PHC in Soil - Tier 1	A portion of the silica gel treated sample extract is filtered and dried at 105°C and the mass of the residual gravimetric heavy hydrocarbons (F4G) is determined gravimetrically. Where both F4 and F4G are reported, the greater of both results must be used for comparison to CWS PHC F4 guidelines.
CCME PHCs - F2-F4 by GC-FID	E601.SG ALS Environmental - Winnipeg	Soil/Solid	CCME PHC in Soil - Tier 1	Sample extracts are subjected to in-situ silica gel treatment prior to analysis by GC-FID for CCME hydrocarbon fractions (F2-F4). Analytical methods for CCME Petroleum Hydrocarbons (PHCs) are validated to comply fully with the Reference Method for the Canada-Wide Standard for PHC. Test results are expressed on a dry weight basis. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
BTEX by Headspace GC-MS	E611A ALS Environmental - Winnipeg	Soil/Solid	EPA 8260D (mod)	Volatile Organic Compounds (VOCs) are analyzed by static headspace GC-MS. Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
PAHs in Soil/solid by Hex:Ace GC-MS (Low Level CCME)	E641A-L ALS Environmental - Waterloo	Soil/Solid	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are extracted with hexane/acetone and analyzed by GC-MS. If reported, IACR (index of additive cancer risk, unitless) and B(a)P toxic potency equivalent (in soil concentration units) are calculated as per CCME PAH Soil Quality Guidelines fact sheet (2010) or ABT1.
F1-BTEX	EC580 ALS Environmental - Winnipeg	Soil/Solid	CCME PHC in Soil - Tier 1	F1-BTEX is calculated as follows: F1-BTEX = F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).
Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Digestion for Metals and Mercury (355 µm Sieve)	EP440C ALS Environmental - Waterloo	Soil/Solid	EPA 200.2 (mod)	Samples are sieved through a 355 µm sieve, and digested with HNO ₃ and HCl. This method is intended to liberate metals that may be environmentally available.
Boron-Hot Water Extractable	EP487 ALS Environmental - Waterloo	Soil/Solid	HW EXTR, EPA 6010B	A dried solid sample is extracted with weak calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES. Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011)
Preparation of Hexavalent Chromium (Cr VI) for IC	EP532 ALS Environmental - Waterloo	Soil/Solid	EPA 3060A	Field moist samples are digested with a sodium hydroxide/sodium carbonate solution as described in EPA 3060A.

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Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
VOCs Methanol Extraction for Headspace Analysis	EP581 ALS Environmental - Winnipeg	Soil/Solid	EPA 5035A (mod)	VOCs in samples are extracted with methanol. Extracts are then prepared in headspace vials and are heated and agitated on the headspace autosampler, causing VOCs to partition between the aqueous phase and the headspace in accordance with Henry's law.
PHCs and PAHs Hexane-Acetone Tumbler Extraction	EP601 ALS Environmental - Winnipeg	Soil/Solid	CCME PHC in Soil - Tier 1 (mod)	Samples are subsampled and Petroleum Hydrocarbons (PHC) and PAHs are extracted with 1:1 hexane:acetone using a rotary extractor.

QUALITY CONTROL REPORT

Work Order	: WP2511636	Page	: 1 of 24
Client	: AECOM Canada ULC	Laboratory	: ALS Environmental - Winnipeg
Contact	: Jared Wiens	Account Manager	: Judy Dalmaijer
Address	: 99 Commerce Drive Winnipeg MB Canada R3P 0Y7	Address	: 1329 Niakwa Road East, Unit 12 Winnipeg, Manitoba Canada R2J 3T4
Telephone	: ----	Telephone	: +1 204 255 9720
Project	: 60705950 Task 104	Date Samples Received	: 23-Jul-2025 08:16
PO	: ----	Date Analysis Commenced	: 23-Jul-2025
C-O-C number	: ----	Issue Date	: 31-Jul-2025 14:11
Sampler	: ----		
Site	: ----		
Quote number	: 2025 Standing offer_V2		
No. of samples received	: 34		
No. of samples analysed	: 34		

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.

<i>Signatories</i>	<i>Position</i>	<i>Laboratory Department</i>
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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: 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: 2124008)											
WP2511541-001	Anonymous	Moisture	----	E144	0.25	%	3.97	4.50	12.3%	20%	----
Physical Tests (QC Lot: 2124348)											
WP2511636-002	SP25-1-2	Moisture	----	E144	0.25	%	15.7	15.3	2.66%	20%	----
Physical Tests (QC Lot: 2126335)											
WP2511636-022	SP25-3-4	Moisture	----	E144	0.25	%	15.3	15.0	2.09%	20%	----
Physical Tests (QC Lot: 2130669)											
WP2510185-001	Anonymous	Moisture	----	E144	0.25	%	6.66	6.68	0.392%	20%	----
Metals (QC Lot: 2127208)											
WP2511636-003	SP25-1-3	Boron, hot water soluble	7440-42-8	E487	0.10	mg/kg	0.88	0.98	10.4%	40%	----
Metals (QC Lot: 2127209)											
WP2511636-001	SP25-1-1	Mercury	7439-97-6	E510C	0.0050	mg/kg	0.194	0.185	4.84%	40%	----
Metals (QC Lot: 2127210)											
WP2511636-001	SP25-1-1	Antimony	7440-36-0	E440C	0.10	mg/kg	0.59	0.54	0.05	Diff <2x LOR	----
		Arsenic	7440-38-2	E440C	0.10	mg/kg	6.55	6.85	4.50%	30%	----
		Barium	7440-39-3	E440C	0.50	mg/kg	169	177	4.41%	40%	----
		Beryllium	7440-41-7	E440C	0.10	mg/kg	0.89	0.88	0.385%	30%	----
		Boron	7440-42-8	E440C	5.0	mg/kg	20.7	22.4	1.6	Diff <2x LOR	----
		Cadmium	7440-43-9	E440C	0.020	mg/kg	0.514	0.533	3.69%	30%	----
		Chromium	7440-47-3	E440C	0.50	mg/kg	57.5	59.8	3.84%	30%	----
		Cobalt	7440-48-4	E440C	0.10	mg/kg	10.4	10.5	1.17%	30%	----
		Copper	7440-50-8	E440C	0.50	mg/kg	31.2	31.9	2.40%	30%	----
		Lead	7439-92-1	E440C	0.50	mg/kg	31.2	31.3	0.444%	40%	----
		Molybdenum	7439-98-7	E440C	0.10	mg/kg	0.49	0.48	0.006	Diff <2x LOR	----
		Nickel	7440-02-0	E440C	0.50	mg/kg	30.7	30.6	0.338%	30%	----
		Selenium	7782-49-2	E440C	0.20	mg/kg	0.39	0.40	0.01	Diff <2x LOR	----
		Silver	7440-22-4	E440C	0.10	mg/kg	0.86	0.80	7.38%	40%	----
		Thallium	7440-28-0	E440C	0.050	mg/kg	0.275	0.276	0.0010	Diff <2x LOR	----
		Uranium	7440-61-1	E440C	0.050	mg/kg	2.06	2.09	1.45%	30%	----
		Vanadium	7440-62-2	E440C	0.20	mg/kg	68.4	70.4	2.91%	30%	----
		Zinc	7440-66-6	E440C	2.0	mg/kg	99.8	101	1.34%	30%	----



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
Metals (QC Lot: 2129934)											
WT2520284-002	Anonymous	Boron, hot water soluble	7440-42-8	E487	0.10	mg/kg	0.22	0.22	0.002	Diff <2x LOR	----
Metals (QC Lot: 2129935)											
WP2511636-022	SP25-3-4	Mercury	7439-97-6	E510C	0.374	mg/kg	7.66	7.73	0.852%	40%	----
Metals (QC Lot: 2129936)											
WP2511636-022	SP25-3-4	Antimony	7440-36-0	E440C	0.10	mg/kg	5.01	5.30	5.60%	30%	----
		Arsenic	7440-38-2	E440C	0.10	mg/kg	16.7	17.7	5.46%	30%	----
		Barium	7440-39-3	E440C	0.50	mg/kg	552	556	0.693%	40%	----
		Beryllium	7440-41-7	E440C	0.10	mg/kg	0.79	0.81	2.30%	30%	----
		Boron	7440-42-8	E440C	5.0	mg/kg	18.4	19.8	1.5	Diff <2x LOR	----
		Cadmium	7440-43-9	E440C	0.020	mg/kg	13.8	14.5	4.82%	30%	----
		Chromium	7440-47-3	E440C	0.50	mg/kg	1040	1110	6.64%	30%	----
		Cobalt	7440-48-4	E440C	0.10	mg/kg	9.04	9.56	5.50%	30%	----
		Copper	7440-50-8	E440C	0.50	mg/kg	337	347	2.93%	30%	----
		Lead	7439-92-1	E440C	0.50	mg/kg	449	472	4.88%	40%	----
		Molybdenum	7439-98-7	E440C	0.10	mg/kg	2.53	2.66	5.04%	40%	----
		Nickel	7440-02-0	E440C	0.50	mg/kg	73.6	75.0	1.88%	30%	----
		Selenium	7782-49-2	E440C	0.20	mg/kg	1.55	1.62	4.30%	30%	----
		Silver	7440-22-4	E440C	0.10	mg/kg	30.8	32.7	6.03%	40%	----
		Thallium	7440-28-0	E440C	0.050	mg/kg	0.371	0.382	2.92%	30%	----
		Uranium	7440-61-1	E440C	0.050	mg/kg	4.41	4.51	2.15%	30%	----
		Vanadium	7440-62-2	E440C	0.20	mg/kg	50.0	53.1	6.13%	30%	----
		Zinc	7440-66-6	E440C	2.0	mg/kg	1250	1300	3.74%	30%	----
Metals (QC Lot: 2130590)											
WT2518752-004	Anonymous	Boron, hot water soluble	7440-42-8	E487	0.10	mg/kg	<0.10	<0.10	0	Diff <2x LOR	----
Metals (QC Lot: 2130591)											
WP2511636-034	DUP-3	Mercury	7439-97-6	E510C	0.0050	mg/kg	0.0358	0.0372	3.91%	40%	----
Metals (QC Lot: 2130592)											
WP2511636-034	DUP-3	Antimony	7440-36-0	E440C	0.10	mg/kg	0.33	0.31	0.02	Diff <2x LOR	----
		Arsenic	7440-38-2	E440C	0.10	mg/kg	8.01	7.88	1.66%	30%	----
		Barium	7440-39-3	E440C	0.50	mg/kg	214	202	5.91%	40%	----
		Beryllium	7440-41-7	E440C	0.10	mg/kg	0.56	0.58	0.01	Diff <2x LOR	----
		Boron	7440-42-8	E440C	5.0	mg/kg	17.2	16.0	1.2	Diff <2x LOR	----
		Cadmium	7440-43-9	E440C	0.020	mg/kg	0.320	0.325	1.42%	30%	----
		Chromium	7440-47-3	E440C	0.50	mg/kg	21.5	20.5	4.69%	30%	----



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
Metals (QC Lot: 2130592) - continued											
WP2511636-034	DUP-3	Cobalt	7440-48-4	E440C	0.10	mg/kg	7.97	7.82	1.84%	30%	----
		Copper	7440-50-8	E440C	0.50	mg/kg	17.3	16.8	2.81%	30%	----
		Lead	7439-92-1	E440C	0.50	mg/kg	9.22	9.35	1.40%	40%	----
		Molybdenum	7439-98-7	E440C	0.10	mg/kg	0.45	0.45	0.005	Diff <2x LOR	----
		Nickel	7440-02-0	E440C	0.50	mg/kg	21.6	20.7	4.30%	30%	----
		Selenium	7782-49-2	E440C	0.20	mg/kg	0.40	0.35	0.05	Diff <2x LOR	----
		Silver	7440-22-4	E440C	0.10	mg/kg	<0.10	0.10	0.002	Diff <2x LOR	----
		Thallium	7440-28-0	E440C	0.050	mg/kg	0.243	0.225	0.018	Diff <2x LOR	----
		Uranium	7440-61-1	E440C	0.050	mg/kg	1.24	1.24	0.130%	30%	----
		Vanadium	7440-62-2	E440C	0.20	mg/kg	44.7	42.2	5.78%	30%	----
		Zinc	7440-66-6	E440C	2.0	mg/kg	66.6	65.5	1.66%	30%	----
Speciated Metals (QC Lot: 2127207)											
WP2511636-001	SP25-1-1	Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.10	mg/kg	0.12	0.30	0.18	Diff <2x LOR	----
Speciated Metals (QC Lot: 2129939)											
WP2511636-021	SP25-3-3	Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.10	mg/kg	0.54	0.52	0.01	Diff <2x LOR	----
Speciated Metals (QC Lot: 2130586)											
WP2511636-034	DUP-3	Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.10	mg/kg	<0.10	<0.10	0	Diff <2x LOR	----
Speciated Metals (QC Lot: 2132541)											
WP2511636-029	SP25-3-11	Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.10	mg/kg	<0.10	<0.10	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2124739)											
WP2511552-010	Anonymous	Benzene	71-43-2	E611A	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611A	0.015	mg/kg	<0.015	<0.015	0	Diff <2x LOR	----
		Toluene	108-88-3	E611A	0.050	mg/kg	<0.050	<0.050	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611A	0.030	mg/kg	<0.030	<0.030	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611A	0.030	mg/kg	<0.030	<0.030	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2124769)											
WP2511636-013	SP25-1-13	Benzene	71-43-2	E611A	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611A	0.015	mg/kg	<0.015	<0.015	0	Diff <2x LOR	----
		Toluene	108-88-3	E611A	0.050	mg/kg	<0.050	<0.050	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611A	0.030	mg/kg	<0.030	<0.030	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611A	0.030	mg/kg	<0.030	<0.030	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 2130136)											
WP2511636-033	DUP-2	Benzene	71-43-2	E611A	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611A	0.015	mg/kg	<0.015	<0.015	0	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
Volatile Organic Compounds (QC Lot: 2130136) - continued											
WP2511636-033	DUP-2	Toluene	108-88-3	E611A	0.050	mg/kg	<0.050	<0.050	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611A	0.030	mg/kg	<0.030	<0.030	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611A	0.030	mg/kg	<0.030	<0.030	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2122364)											
WP2511552-005	Anonymous	F2 (C10-C16)	----	E601.SG	25	mg/kg	<25	<25	0	Diff <2x LOR	----
		F3 (C16-C34)	----	E601.SG	50	mg/kg	<50	<50	0	Diff <2x LOR	----
		F4 (C34-C50)	----	E601.SG	50	mg/kg	<50	<50	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2124740)											
WP2511552-010	Anonymous	F1 (C6-C10)	----	E581.F1	5.0	mg/kg	<5.0	<5.0	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2124768)											
WP2511636-013	SP25-1-13	F1 (C6-C10)	----	E581.F1	5.0	mg/kg	<5.0	<5.0	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2126231)											
WP2511636-008	SP25-1-8	F2 (C10-C16)	----	E601.SG	25	mg/kg	<25	<25	0	Diff <2x LOR	----
		F3 (C16-C34)	----	E601.SG	50	mg/kg	76	78	2	Diff <2x LOR	----
		F4 (C34-C50)	----	E601.SG	50	mg/kg	<50	<50	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2130051)											
WP2511636-027	SP25-3-9	F2 (C10-C16)	----	E601.SG	25	mg/kg	25	30	5	Diff <2x LOR	----
		F3 (C16-C34)	----	E601.SG	50	mg/kg	2240	2000	11.6%	40%	----
		F4 (C34-C50)	----	E601.SG	50	mg/kg	1480	1350	8.66%	40%	----
Hydrocarbons (QC Lot: 2130135)											
WP2511636-033	DUP-2	F1 (C6-C10)	----	E581.F1	5.0	mg/kg	<5.0	<5.0	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 2131867)											
WP2511636-027	SP25-3-9	F4G-sg	----	E601.F4G	500	mg/kg	3760	4370	14.8%	40%	----
Polycyclic Aromatic Hydrocarbons (QC Lot: 2127206)											
WP2511636-001	SP25-1-1	Acenaphthene	83-32-9	E641A-L	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
		Acenaphthylene	208-96-8	E641A-L	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
		Acridine	260-94-6	E641A-L	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Anthracene	120-12-7	E641A-L	0.0040	mg/kg	<0.0040	0.0053	0.0013	Diff <2x LOR	J
		Benz(a)anthracene	56-55-3	E641A-L	0.010	mg/kg	<0.010	0.018	0.008	Diff <2x LOR	J
		Benzo(a)pyrene	50-32-8	E641A-L	0.010	mg/kg	<0.010	0.022	0.012	Diff <2x LOR	J
		Benzo(b+j)fluoranthene	n/a	E641A-L	0.010	mg/kg	<0.010	0.028	0.018	Diff <2x LOR	J
		Benzo(g,h,i)perylene	191-24-2	E641A-L	0.010	mg/kg	<0.010	0.020	0.010	Diff <2x LOR	J
		Benzo(k)fluoranthene	207-08-9	E641A-L	0.010	mg/kg	<0.010	0.012	0.002	Diff <2x LOR	J
		Chrysene	218-01-9	E641A-L	0.010	mg/kg	<0.010	0.025	0.015	Diff <2x LOR	J



Sub-Matrix: Soil/Solid

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
Polycyclic Aromatic Hydrocarbons (QC Lot: 2127206) - continued											
WP2511636-001	SP25-1-1	Dibenz(a,h)anthracene	53-70-3	E641A-L	0.0050	mg/kg	<0.0050	<0.0050	0	Diff <2x LOR	----
		Fluoranthene	206-44-0	E641A-L	0.010	mg/kg	0.013	# 0.041	0.028	Diff <2x LOR	DUP-H,J
		Fluorene	86-73-7	E641A-L	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.010	mg/kg	<0.010	0.018	0.008	Diff <2x LOR	J
		Methylnaphthalene, 1-	90-12-0	E641A-L	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Methylnaphthalene, 2-	91-57-6	E641A-L	0.010	mg/kg	<0.010	0.013	0.003	Diff <2x LOR	J
		Naphthalene	91-20-3	E641A-L	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----
		Phenanthrene	85-01-8	E641A-L	0.010	mg/kg	<0.010	0.029	0.019	Diff <2x LOR	J
		Pyrene	129-00-0	E641A-L	0.010	mg/kg	0.011	# 0.036	0.025	Diff <2x LOR	DUP-H,J
Quinoline	91-22-5	E641A-L	0.010	mg/kg	<0.010	<0.010	0	Diff <2x LOR	----		
Polycyclic Aromatic Hydrocarbons (QC Lot: 2130602)											
WP2511636-021	SP25-3-3	Acenaphthene	83-32-9	E641A-L	0.0385	mg/kg	0.0456	0.0408	0.0047	Diff <2x LOR	J
		Acenaphthylene	208-96-8	E641A-L	0.0385	mg/kg	<0.0384	<0.0385	0.0384	Diff <2x LOR	J
		Acridine	260-94-6	E641A-L	0.038	mg/kg	<0.038	<0.038	0.00004	Diff <2x LOR	J
		Anthracene	120-12-7	E641A-L	0.0385	mg/kg	0.117	0.106	0.0107	Diff <2x LOR	J
		Benz(a)anthracene	56-55-3	E641A-L	0.038	mg/kg	0.302	0.268	12.1%	50%	----
		Benzo(a)pyrene	50-32-8	E641A-L	0.038	mg/kg	0.388	0.336	14.3%	50%	----
		Benzo(b+j)fluoranthene	n/a	E641A-L	0.038	mg/kg	0.503	0.471	6.68%	50%	----
		Benzo(g,h,i)perylene	191-24-2	E641A-L	0.038	mg/kg	0.504	0.528	4.80%	50%	----
		Benzo(k)fluoranthene	207-08-9	E641A-L	0.038	mg/kg	0.213	0.175	19.4%	50%	----
		Chrysene	218-01-9	E641A-L	0.038	mg/kg	0.400	0.350	13.5%	50%	----
		Dibenz(a,h)anthracene	53-70-3	E641A-L	0.0385	mg/kg	0.0842	0.0792	0.0050	Diff <2x LOR	J
		Fluoranthene	206-44-0	E641A-L	0.038	mg/kg	0.678	0.592	13.5%	50%	----
		Fluorene	86-73-7	E641A-L	0.038	mg/kg	0.050	0.048	0.002	Diff <2x LOR	J
		Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.038	mg/kg	0.384	0.363	5.71%	50%	----
		Methylnaphthalene, 1-	90-12-0	E641A-L	0.038	mg/kg	0.108	0.104	0.004	Diff <2x LOR	J
		Methylnaphthalene, 2-	91-57-6	E641A-L	0.038	mg/kg	0.314	0.317	0.903%	50%	J
		Naphthalene	91-20-3	E641A-L	0.038	mg/kg	0.136	0.131	0.006	Diff <2x LOR	J
		Phenanthrene	85-01-8	E641A-L	0.038	mg/kg	0.554	0.508	8.68%	50%	----
		Pyrene	129-00-0	E641A-L	0.038	mg/kg	0.617	0.534	14.3%	50%	----
		Quinoline	91-22-5	E641A-L	0.038	mg/kg	<0.038	<0.038	0.00004	Diff <2x LOR	J



Qualifiers

Qualifier	Description
DUP-H	Duplicate results outside ALS DQO, due to sample heterogeneity.
J	Duplicate results and limits are expressed in terms of absolute difference.



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: Soil/Solid

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 2124008)						
Moisture	----	E144	0.25	%	<0.25	----
Physical Tests (QCLot: 2124348)						
Moisture	----	E144	0.25	%	<0.25	----
Physical Tests (QCLot: 2126335)						
Moisture	----	E144	0.25	%	<0.25	----
Physical Tests (QCLot: 2130669)						
Moisture	----	E144	0.25	%	<0.25	----
Metals (QCLot: 2127208)						
Boron, hot water soluble	7440-42-8	E487	0.1	mg/kg	<0.10	----
Metals (QCLot: 2127209)						
Mercury	7439-97-6	E510C	0.005	mg/kg	<0.0050	----
Metals (QCLot: 2127210)						
Antimony	7440-36-0	E440C	0.1	mg/kg	<0.10	----
Arsenic	7440-38-2	E440C	0.1	mg/kg	<0.10	----
Barium	7440-39-3	E440C	0.5	mg/kg	<0.50	----
Beryllium	7440-41-7	E440C	0.1	mg/kg	<0.10	----
Boron	7440-42-8	E440C	5	mg/kg	<5.0	----
Cadmium	7440-43-9	E440C	0.02	mg/kg	<0.020	----
Chromium	7440-47-3	E440C	0.5	mg/kg	<0.50	----
Cobalt	7440-48-4	E440C	0.1	mg/kg	<0.10	----
Copper	7440-50-8	E440C	0.5	mg/kg	<0.50	----
Lead	7439-92-1	E440C	0.5	mg/kg	<0.50	----
Molybdenum	7439-98-7	E440C	0.1	mg/kg	<0.10	----
Nickel	7440-02-0	E440C	0.5	mg/kg	<0.50	----
Selenium	7782-49-2	E440C	0.2	mg/kg	<0.20	----
Silver	7440-22-4	E440C	0.1	mg/kg	<0.10	----
Thallium	7440-28-0	E440C	0.05	mg/kg	<0.050	----
Uranium	7440-61-1	E440C	0.05	mg/kg	<0.050	----
Vanadium	7440-62-2	E440C	0.2	mg/kg	<0.20	----
Zinc	7440-66-6	E440C	2	mg/kg	<2.0	----
Metals (QCLot: 2129934)						
Boron, hot water soluble	7440-42-8	E487	0.1	mg/kg	<0.10	----



Sub-Matrix: Soil/Solid

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Metals (QCLot: 2129935)						
Mercury	7439-97-6	E510C	0.005	mg/kg	<0.0050	----
Metals (QCLot: 2129936)						
Antimony	7440-36-0	E440C	0.1	mg/kg	<0.10	----
Arsenic	7440-38-2	E440C	0.1	mg/kg	<0.10	----
Barium	7440-39-3	E440C	0.5	mg/kg	<0.50	----
Beryllium	7440-41-7	E440C	0.1	mg/kg	<0.10	----
Boron	7440-42-8	E440C	5	mg/kg	<5.0	----
Cadmium	7440-43-9	E440C	0.02	mg/kg	<0.020	----
Chromium	7440-47-3	E440C	0.5	mg/kg	<0.50	----
Cobalt	7440-48-4	E440C	0.1	mg/kg	<0.10	----
Copper	7440-50-8	E440C	0.5	mg/kg	<0.50	----
Lead	7439-92-1	E440C	0.5	mg/kg	<0.50	----
Molybdenum	7439-98-7	E440C	0.1	mg/kg	<0.10	----
Nickel	7440-02-0	E440C	0.5	mg/kg	<0.50	----
Selenium	7782-49-2	E440C	0.2	mg/kg	<0.20	----
Silver	7440-22-4	E440C	0.1	mg/kg	<0.10	----
Thallium	7440-28-0	E440C	0.05	mg/kg	<0.050	----
Uranium	7440-61-1	E440C	0.05	mg/kg	<0.050	----
Vanadium	7440-62-2	E440C	0.2	mg/kg	<0.20	----
Zinc	7440-66-6	E440C	2	mg/kg	<2.0	----
Metals (QCLot: 2130590)						
Boron, hot water soluble	7440-42-8	E487	0.1	mg/kg	<0.10	----
Metals (QCLot: 2130591)						
Mercury	7439-97-6	E510C	0.005	mg/kg	<0.0050	----
Metals (QCLot: 2130592)						
Antimony	7440-36-0	E440C	0.1	mg/kg	<0.10	----
Arsenic	7440-38-2	E440C	0.1	mg/kg	<0.10	----
Barium	7440-39-3	E440C	0.5	mg/kg	<0.50	----
Beryllium	7440-41-7	E440C	0.1	mg/kg	<0.10	----
Boron	7440-42-8	E440C	5	mg/kg	<5.0	----
Cadmium	7440-43-9	E440C	0.02	mg/kg	<0.020	----
Chromium	7440-47-3	E440C	0.5	mg/kg	<0.50	----
Cobalt	7440-48-4	E440C	0.1	mg/kg	<0.10	----
Copper	7440-50-8	E440C	0.5	mg/kg	<0.50	----
Lead	7439-92-1	E440C	0.5	mg/kg	<0.50	----



Sub-Matrix: Soil/Solid

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Metals (QCLot: 2130592) - continued						
Molybdenum	7439-98-7	E440C	0.1	mg/kg	<0.10	----
Nickel	7440-02-0	E440C	0.5	mg/kg	<0.50	----
Selenium	7782-49-2	E440C	0.2	mg/kg	<0.20	----
Silver	7440-22-4	E440C	0.1	mg/kg	<0.10	----
Thallium	7440-28-0	E440C	0.05	mg/kg	<0.050	----
Uranium	7440-61-1	E440C	0.05	mg/kg	<0.050	----
Vanadium	7440-62-2	E440C	0.2	mg/kg	<0.20	----
Zinc	7440-66-6	E440C	2	mg/kg	<2.0	----
Speciated Metals (QCLot: 2127207)						
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	<0.10	----
Speciated Metals (QCLot: 2129939)						
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	<0.10	----
Speciated Metals (QCLot: 2130586)						
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	<0.10	----
Speciated Metals (QCLot: 2132541)						
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	<0.10	----
Volatile Organic Compounds (QCLot: 2124739)						
Benzene	71-43-2	E611A	0.005	mg/kg	<0.0050	----
Ethylbenzene	100-41-4	E611A	0.015	mg/kg	<0.015	----
Toluene	108-88-3	E611A	0.05	mg/kg	<0.050	----
Xylene, m+p-	179601-23-1	E611A	0.03	mg/kg	<0.030	----
Xylene, o-	95-47-6	E611A	0.03	mg/kg	<0.030	----
Volatile Organic Compounds (QCLot: 2124769)						
Benzene	71-43-2	E611A	0.005	mg/kg	<0.0050	----
Ethylbenzene	100-41-4	E611A	0.015	mg/kg	<0.015	----
Toluene	108-88-3	E611A	0.05	mg/kg	<0.050	----
Xylene, m+p-	179601-23-1	E611A	0.03	mg/kg	<0.030	----
Xylene, o-	95-47-6	E611A	0.03	mg/kg	<0.030	----
Volatile Organic Compounds (QCLot: 2130136)						
Benzene	71-43-2	E611A	0.005	mg/kg	<0.0050	----
Ethylbenzene	100-41-4	E611A	0.015	mg/kg	<0.015	----
Toluene	108-88-3	E611A	0.05	mg/kg	<0.050	----
Xylene, m+p-	179601-23-1	E611A	0.03	mg/kg	<0.030	----
Xylene, o-	95-47-6	E611A	0.03	mg/kg	<0.030	----
Hydrocarbons (QCLot: 2122364)						



Sub-Matrix: Soil/Solid

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Hydrocarbons (QCLot: 2122364) - continued						
F2 (C10-C16)	----	E601.SG	25	mg/kg	<25	----
F3 (C16-C34)	----	E601.SG	50	mg/kg	<50	----
F4 (C34-C50)	----	E601.SG	50	mg/kg	<50	----
Hydrocarbons (QCLot: 2124740)						
F1 (C6-C10)	----	E581.F1	5	mg/kg	<5.0	----
Hydrocarbons (QCLot: 2124768)						
F1 (C6-C10)	----	E581.F1	5	mg/kg	<5.0	----
Hydrocarbons (QCLot: 2126231)						
F2 (C10-C16)	----	E601.SG	25	mg/kg	<25	----
F3 (C16-C34)	----	E601.SG	50	mg/kg	<50	----
F4 (C34-C50)	----	E601.SG	50	mg/kg	<50	----
Hydrocarbons (QCLot: 2130051)						
F2 (C10-C16)	----	E601.SG	25	mg/kg	<25	----
F3 (C16-C34)	----	E601.SG	50	mg/kg	<50	----
F4 (C34-C50)	----	E601.SG	50	mg/kg	<50	----
Hydrocarbons (QCLot: 2130135)						
F1 (C6-C10)	----	E581.F1	5	mg/kg	<5.0	----
Hydrocarbons (QCLot: 2130184)						
F4G-sg	----	E601.F4G	500	mg/kg	<500	----
Hydrocarbons (QCLot: 2131867)						
F4G-sg	----	E601.F4G	500	mg/kg	<500	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2127206)						
Acenaphthene	83-32-9	E641A-L	0.005	mg/kg	<0.0050	----
Acenaphthylene	208-96-8	E641A-L	0.005	mg/kg	<0.0050	----
Acridine	260-94-6	E641A-L	0.01	mg/kg	<0.010	----
Anthracene	120-12-7	E641A-L	0.004	mg/kg	<0.0040	----
Benz(a)anthracene	56-55-3	E641A-L	0.01	mg/kg	<0.010	----
Benzo(a)pyrene	50-32-8	E641A-L	0.01	mg/kg	<0.010	----
Benzo(b+j)fluoranthene	n/a	E641A-L	0.01	mg/kg	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A-L	0.01	mg/kg	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A-L	0.01	mg/kg	<0.010	----
Chrysene	218-01-9	E641A-L	0.01	mg/kg	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A-L	0.005	mg/kg	<0.0050	----
Fluoranthene	206-44-0	E641A-L	0.01	mg/kg	<0.010	----
Fluorene	86-73-7	E641A-L	0.01	mg/kg	<0.010	----



Sub-Matrix: Soil/Solid

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2127206) - continued						
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.01	mg/kg	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A-L	0.01	mg/kg	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A-L	0.01	mg/kg	<0.010	----
Naphthalene	91-20-3	E641A-L	0.01	mg/kg	<0.010	----
Phenanthrene	85-01-8	E641A-L	0.01	mg/kg	<0.010	----
Pyrene	129-00-0	E641A-L	0.01	mg/kg	<0.010	----
Quinoline	91-22-5	E641A-L	0.01	mg/kg	<0.010	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2130602)						
Acenaphthene	83-32-9	E641A-L	0.005	mg/kg	<0.0050	----
Acenaphthylene	208-96-8	E641A-L	0.005	mg/kg	<0.0050	----
Acridine	260-94-6	E641A-L	0.01	mg/kg	<0.010	----
Anthracene	120-12-7	E641A-L	0.004	mg/kg	<0.0040	----
Benz(a)anthracene	56-55-3	E641A-L	0.01	mg/kg	<0.010	----
Benzo(a)pyrene	50-32-8	E641A-L	0.01	mg/kg	<0.010	----
Benzo(b+j)fluoranthene	n/a	E641A-L	0.01	mg/kg	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A-L	0.01	mg/kg	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A-L	0.01	mg/kg	<0.010	----
Chrysene	218-01-9	E641A-L	0.01	mg/kg	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A-L	0.005	mg/kg	<0.0050	----
Fluoranthene	206-44-0	E641A-L	0.01	mg/kg	<0.010	----
Fluorene	86-73-7	E641A-L	0.01	mg/kg	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.01	mg/kg	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A-L	0.01	mg/kg	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A-L	0.01	mg/kg	<0.010	----
Naphthalene	91-20-3	E641A-L	0.01	mg/kg	<0.010	----
Phenanthrene	85-01-8	E641A-L	0.01	mg/kg	<0.010	----
Pyrene	129-00-0	E641A-L	0.01	mg/kg	<0.010	----
Quinoline	91-22-5	E641A-L	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: Soil/Solid

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 2124008)									
Moisture	----	E144	0.25	%	50 %	99.9	90.0	110	----
Physical Tests (QCLot: 2124348)									
Moisture	----	E144	0.25	%	50 %	102	90.0	110	----
Physical Tests (QCLot: 2126335)									
Moisture	----	E144	0.25	%	50 %	100	90.0	110	----
Physical Tests (QCLot: 2130669)									
Moisture	----	E144	0.25	%	50 %	99.1	90.0	110	----
Metals (QCLot: 2127208)									
Boron, hot water soluble	7440-42-8	E487	0.1	mg/kg	2 mg/kg	91.1	70.0	130	----
Metals (QCLot: 2127209)									
Mercury	7439-97-6	E510C	0.005	mg/kg	0.1 mg/kg	92.5	80.0	120	----
Metals (QCLot: 2127210)									
Antimony	7440-36-0	E440C	0.1	mg/kg	100 mg/kg	97.8	80.0	120	----
Arsenic	7440-38-2	E440C	0.1	mg/kg	100 mg/kg	98.4	80.0	120	----
Barium	7440-39-3	E440C	0.5	mg/kg	25 mg/kg	95.0	80.0	120	----
Beryllium	7440-41-7	E440C	0.1	mg/kg	10 mg/kg	90.0	80.0	120	----
Boron	7440-42-8	E440C	5	mg/kg	100 mg/kg	90.0	80.0	120	----
Cadmium	7440-43-9	E440C	0.02	mg/kg	10 mg/kg	93.7	80.0	120	----
Chromium	7440-47-3	E440C	0.5	mg/kg	25 mg/kg	93.0	80.0	120	----
Cobalt	7440-48-4	E440C	0.1	mg/kg	25 mg/kg	91.2	80.0	120	----
Copper	7440-50-8	E440C	0.5	mg/kg	25 mg/kg	91.0	80.0	120	----
Lead	7439-92-1	E440C	0.5	mg/kg	50 mg/kg	93.7	80.0	120	----
Molybdenum	7439-98-7	E440C	0.1	mg/kg	25 mg/kg	94.4	80.0	120	----
Nickel	7440-02-0	E440C	0.5	mg/kg	50 mg/kg	91.1	80.0	120	----
Selenium	7782-49-2	E440C	0.2	mg/kg	100 mg/kg	94.6	80.0	120	----
Silver	7440-22-4	E440C	0.1	mg/kg	10 mg/kg	84.2	80.0	120	----
Thallium	7440-28-0	E440C	0.05	mg/kg	100 mg/kg	91.5	80.0	120	----
Uranium	7440-61-1	E440C	0.05	mg/kg	0.5 mg/kg	93.5	80.0	120	----
Vanadium	7440-62-2	E440C	0.2	mg/kg	50 mg/kg	94.6	80.0	120	----
Zinc	7440-66-6	E440C	2	mg/kg	50 mg/kg	92.4	80.0	120	----
Metals (QCLot: 2129934)									



Sub-Matrix: Soil/Solid					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Metals (QCLot: 2129934) - continued									
Boron, hot water soluble	7440-42-8	E487	0.1	mg/kg	2 mg/kg	92.6	70.0	130	----
Metals (QCLot: 2129935)									
Mercury	7439-97-6	E510C	0.005	mg/kg	0.1 mg/kg	95.0	80.0	120	----
Metals (QCLot: 2129936)									
Antimony	7440-36-0	E440C	0.1	mg/kg	100 mg/kg	98.0	80.0	120	----
Arsenic	7440-38-2	E440C	0.1	mg/kg	100 mg/kg	105	80.0	120	----
Barium	7440-39-3	E440C	0.5	mg/kg	25 mg/kg	98.9	80.0	120	----
Beryllium	7440-41-7	E440C	0.1	mg/kg	10 mg/kg	90.8	80.0	120	----
Boron	7440-42-8	E440C	5	mg/kg	100 mg/kg	91.4	80.0	120	----
Cadmium	7440-43-9	E440C	0.02	mg/kg	10 mg/kg	98.3	80.0	120	----
Chromium	7440-47-3	E440C	0.5	mg/kg	25 mg/kg	98.8	80.0	120	----
Cobalt	7440-48-4	E440C	0.1	mg/kg	25 mg/kg	98.0	80.0	120	----
Copper	7440-50-8	E440C	0.5	mg/kg	25 mg/kg	97.0	80.0	120	----
Lead	7439-92-1	E440C	0.5	mg/kg	50 mg/kg	96.6	80.0	120	----
Molybdenum	7439-98-7	E440C	0.1	mg/kg	25 mg/kg	96.4	80.0	120	----
Nickel	7440-02-0	E440C	0.5	mg/kg	50 mg/kg	96.7	80.0	120	----
Selenium	7782-49-2	E440C	0.2	mg/kg	100 mg/kg	97.7	80.0	120	----
Silver	7440-22-4	E440C	0.1	mg/kg	10 mg/kg	86.4	80.0	120	----
Thallium	7440-28-0	E440C	0.05	mg/kg	100 mg/kg	94.2	80.0	120	----
Uranium	7440-61-1	E440C	0.05	mg/kg	0.5 mg/kg	98.7	80.0	120	----
Vanadium	7440-62-2	E440C	0.2	mg/kg	50 mg/kg	99.7	80.0	120	----
Zinc	7440-66-6	E440C	2	mg/kg	50 mg/kg	98.2	80.0	120	----
Metals (QCLot: 2130590)									
Boron, hot water soluble	7440-42-8	E487	0.1	mg/kg	2 mg/kg	96.2	70.0	130	----
Metals (QCLot: 2130591)									
Mercury	7439-97-6	E510C	0.005	mg/kg	0.1 mg/kg	97.5	80.0	120	----
Metals (QCLot: 2130592)									
Antimony	7440-36-0	E440C	0.1	mg/kg	100 mg/kg	94.0	80.0	120	----
Arsenic	7440-38-2	E440C	0.1	mg/kg	100 mg/kg	103	80.0	120	----
Barium	7440-39-3	E440C	0.5	mg/kg	25 mg/kg	102	80.0	120	----
Beryllium	7440-41-7	E440C	0.1	mg/kg	10 mg/kg	91.0	80.0	120	----
Boron	7440-42-8	E440C	5	mg/kg	100 mg/kg	86.5	80.0	120	----
Cadmium	7440-43-9	E440C	0.02	mg/kg	10 mg/kg	96.3	80.0	120	----
Chromium	7440-47-3	E440C	0.5	mg/kg	25 mg/kg	99.0	80.0	120	----
Cobalt	7440-48-4	E440C	0.1	mg/kg	25 mg/kg	97.9	80.0	120	----
Copper	7440-50-8	E440C	0.5	mg/kg	25 mg/kg	97.6	80.0	120	----



Sub-Matrix: Soil/Solid					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Metals (QCLot: 2130592) - continued									
Lead	7439-92-1	E440C	0.5	mg/kg	50 mg/kg	95.0	80.0	120	----
Molybdenum	7439-98-7	E440C	0.1	mg/kg	25 mg/kg	92.7	80.0	120	----
Nickel	7440-02-0	E440C	0.5	mg/kg	50 mg/kg	97.3	80.0	120	----
Selenium	7782-49-2	E440C	0.2	mg/kg	100 mg/kg	94.9	80.0	120	----
Silver	7440-22-4	E440C	0.1	mg/kg	10 mg/kg	86.6	80.0	120	----
Thallium	7440-28-0	E440C	0.05	mg/kg	100 mg/kg	94.8	80.0	120	----
Uranium	7440-61-1	E440C	0.05	mg/kg	0.5 mg/kg	95.2	80.0	120	----
Vanadium	7440-62-2	E440C	0.2	mg/kg	50 mg/kg	100	80.0	120	----
Zinc	7440-66-6	E440C	2	mg/kg	50 mg/kg	96.5	80.0	120	----
Speciated Metals (QCLot: 2127207)									
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	0.8 mg/kg	100	80.0	120	----
Speciated Metals (QCLot: 2129939)									
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	0.8 mg/kg	110	80.0	120	----
Speciated Metals (QCLot: 2130586)									
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	0.8 mg/kg	102	80.0	120	----
Speciated Metals (QCLot: 2132541)									
Chromium, hexavalent [Cr VI]	18540-29-9	E532	0.1	mg/kg	0.8 mg/kg	98.3	80.0	120	----
Volatile Organic Compounds (QCLot: 2124739)									
Benzene	71-43-2	E611A	0.005	mg/kg	2.5 mg/kg	107	70.0	130	----
Ethylbenzene	100-41-4	E611A	0.015	mg/kg	2.5 mg/kg	99.6	70.0	130	----
Toluene	108-88-3	E611A	0.05	mg/kg	2.5 mg/kg	100.0	70.0	130	----
Xylene, m+p-	179601-23-1	E611A	0.03	mg/kg	5 mg/kg	117	70.0	130	----
Xylene, o-	95-47-6	E611A	0.03	mg/kg	2.5 mg/kg	106	70.0	130	----
Volatile Organic Compounds (QCLot: 2124769)									
Benzene	71-43-2	E611A	0.005	mg/kg	2.5 mg/kg	90.1	70.0	130	----
Ethylbenzene	100-41-4	E611A	0.015	mg/kg	2.5 mg/kg	87.0	70.0	130	----
Toluene	108-88-3	E611A	0.05	mg/kg	2.5 mg/kg	89.8	70.0	130	----
Xylene, m+p-	179601-23-1	E611A	0.03	mg/kg	5 mg/kg	101	70.0	130	----
Xylene, o-	95-47-6	E611A	0.03	mg/kg	2.5 mg/kg	91.3	70.0	130	----
Volatile Organic Compounds (QCLot: 2130136)									
Benzene	71-43-2	E611A	0.005	mg/kg	2.5 mg/kg	125	70.0	130	----
Ethylbenzene	100-41-4	E611A	0.015	mg/kg	2.5 mg/kg	111	70.0	130	----
Toluene	108-88-3	E611A	0.05	mg/kg	2.5 mg/kg	113	70.0	130	----
Xylene, m+p-	179601-23-1	E611A	0.03	mg/kg	5 mg/kg	125	70.0	130	----



Sub-Matrix: Soil/Solid					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Volatile Organic Compounds (QCLot: 2130136) - continued									
Xylene, o-	95-47-6	E611A	0.03	mg/kg	2.5 mg/kg	116	70.0	130	----
Hydrocarbons (QCLot: 2122364)									
F2 (C10-C16)	----	E601.SG	25	mg/kg	638 mg/kg	96.8	70.0	130	----
F3 (C16-C34)	----	E601.SG	50	mg/kg	1270 mg/kg	86.4	70.0	130	----
F4 (C34-C50)	----	E601.SG	50	mg/kg	1090 mg/kg	94.9	70.0	130	----
Hydrocarbons (QCLot: 2124740)									
F1 (C6-C10)	----	E581.F1	5	mg/kg	66 mg/kg	116	70.0	130	----
Hydrocarbons (QCLot: 2124768)									
F1 (C6-C10)	----	E581.F1	5	mg/kg	66 mg/kg	106	70.0	130	----
Hydrocarbons (QCLot: 2126231)									
F2 (C10-C16)	----	E601.SG	25	mg/kg	638 mg/kg	100	70.0	130	----
F3 (C16-C34)	----	E601.SG	50	mg/kg	1270 mg/kg	84.6	70.0	130	----
F4 (C34-C50)	----	E601.SG	50	mg/kg	1090 mg/kg	95.9	70.0	130	----
Hydrocarbons (QCLot: 2130051)									
F2 (C10-C16)	----	E601.SG	25	mg/kg	638 mg/kg	101	70.0	130	----
F3 (C16-C34)	----	E601.SG	50	mg/kg	1270 mg/kg	85.6	70.0	130	----
F4 (C34-C50)	----	E601.SG	50	mg/kg	1090 mg/kg	97.2	70.0	130	----
Hydrocarbons (QCLot: 2130135)									
F1 (C6-C10)	----	E581.F1	5	mg/kg	66 mg/kg	110	70.0	130	----
Hydrocarbons (QCLot: 2130184)									
F4G-sg	----	E601.F4G	500	mg/kg	1540 mg/kg	99.8	70.0	130	----
Hydrocarbons (QCLot: 2131867)									
F4G-sg	----	E601.F4G	500	mg/kg	1540 mg/kg	80.4	70.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2127206)									
Acenaphthene	83-32-9	E641A-L	0.005	mg/kg	0.5 mg/kg	92.6	60.0	130	----
Acenaphthylene	208-96-8	E641A-L	0.005	mg/kg	0.5 mg/kg	93.1	60.0	130	----
Acridine	260-94-6	E641A-L	0.01	mg/kg	0.5 mg/kg	87.0	60.0	130	----
Anthracene	120-12-7	E641A-L	0.004	mg/kg	0.5 mg/kg	91.4	60.0	130	----
Benz(a)anthracene	56-55-3	E641A-L	0.01	mg/kg	0.5 mg/kg	86.7	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A-L	0.01	mg/kg	0.5 mg/kg	92.1	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A-L	0.01	mg/kg	0.5 mg/kg	90.4	60.0	130	----
Benzo(g,h,i)perylene	191-24-2	E641A-L	0.01	mg/kg	0.5 mg/kg	95.2	60.0	130	----
Benzo(k)fluoranthene	207-08-9	E641A-L	0.01	mg/kg	0.5 mg/kg	90.1	60.0	130	----
Chrysene	218-01-9	E641A-L	0.01	mg/kg	0.5 mg/kg	93.0	60.0	130	----



Sub-Matrix: Soil/Solid					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		Qualifier
					Target Concentration	LCS	Low	High	
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 2127206) - continued									
Dibenz(a,h)anthracene	53-70-3	E641A-L	0.005	mg/kg	0.5 mg/kg	93.2	60.0	130	----
Fluoranthene	206-44-0	E641A-L	0.01	mg/kg	0.5 mg/kg	93.2	60.0	130	----
Fluorene	86-73-7	E641A-L	0.01	mg/kg	0.5 mg/kg	92.4	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.01	mg/kg	0.5 mg/kg	93.0	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A-L	0.01	mg/kg	0.5 mg/kg	90.2	60.0	130	----
Methylnaphthalene, 2-	91-57-6	E641A-L	0.01	mg/kg	0.5 mg/kg	99.1	60.0	130	----
Naphthalene	91-20-3	E641A-L	0.01	mg/kg	0.5 mg/kg	90.1	60.0	130	----
Phenanthrene	85-01-8	E641A-L	0.01	mg/kg	0.5 mg/kg	91.1	60.0	130	----
Pyrene	129-00-0	E641A-L	0.01	mg/kg	0.5 mg/kg	93.3	60.0	130	----
Quinoline	91-22-5	E641A-L	0.01	mg/kg	0.5 mg/kg	89.2	60.0	130	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2130602)									
Acenaphthene	83-32-9	E641A-L	0.005	mg/kg	0.5 mg/kg	95.7	60.0	130	----
Acenaphthylene	208-96-8	E641A-L	0.005	mg/kg	0.5 mg/kg	94.2	60.0	130	----
Acridine	260-94-6	E641A-L	0.01	mg/kg	0.5 mg/kg	85.9	60.0	130	----
Anthracene	120-12-7	E641A-L	0.004	mg/kg	0.5 mg/kg	90.3	60.0	130	----
Benz(a)anthracene	56-55-3	E641A-L	0.01	mg/kg	0.5 mg/kg	88.1	60.0	130	----
Benzo(a)pyrene	50-32-8	E641A-L	0.01	mg/kg	0.5 mg/kg	93.4	60.0	130	----
Benzo(b+j)fluoranthene	n/a	E641A-L	0.01	mg/kg	0.5 mg/kg	91.0	60.0	130	----
Benzo(g,h,i)perylene	191-24-2	E641A-L	0.01	mg/kg	0.5 mg/kg	96.4	60.0	130	----
Benzo(k)fluoranthene	207-08-9	E641A-L	0.01	mg/kg	0.5 mg/kg	93.6	60.0	130	----
Chrysene	218-01-9	E641A-L	0.01	mg/kg	0.5 mg/kg	96.0	60.0	130	----
Dibenz(a,h)anthracene	53-70-3	E641A-L	0.005	mg/kg	0.5 mg/kg	93.8	60.0	130	----
Fluoranthene	206-44-0	E641A-L	0.01	mg/kg	0.5 mg/kg	95.6	60.0	130	----
Fluorene	86-73-7	E641A-L	0.01	mg/kg	0.5 mg/kg	94.3	60.0	130	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.01	mg/kg	0.5 mg/kg	97.6	60.0	130	----
Methylnaphthalene, 1-	90-12-0	E641A-L	0.01	mg/kg	0.5 mg/kg	91.2	60.0	130	----
Methylnaphthalene, 2-	91-57-6	E641A-L	0.01	mg/kg	0.5 mg/kg	99.0	60.0	130	----
Naphthalene	91-20-3	E641A-L	0.01	mg/kg	0.5 mg/kg	88.2	60.0	130	----
Phenanthrene	85-01-8	E641A-L	0.01	mg/kg	0.5 mg/kg	91.4	60.0	130	----
Pyrene	129-00-0	E641A-L	0.01	mg/kg	0.5 mg/kg	95.1	60.0	130	----
Quinoline	91-22-5	E641A-L	0.01	mg/kg	0.5 mg/kg	85.6	60.0	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 $\geq 1 \times$ spike level.

Sub-Matrix: Soil/Solid

Sub-Matrix: Soil/Solid					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Volatile Organic Compounds (QCLot: 2124739)										
WP2511552-010	Anonymous	Benzene	71-43-2	E611A	2.01 mg/kg	2.36 mg/kg	85.1	60.0	140	----
		Ethylbenzene	100-41-4	E611A	2.12 mg/kg	2.36 mg/kg	90.1	60.0	140	----
		Toluene	108-88-3	E611A	2.01 mg/kg	2.36 mg/kg	85.3	60.0	140	----
		Xylene, m+p-	179601-23-1	E611A	4.75 mg/kg	4.72 mg/kg	101	60.0	140	----
		Xylene, o-	95-47-6	E611A	2.21 mg/kg	2.36 mg/kg	93.8	60.0	140	----
Volatile Organic Compounds (QCLot: 2124769)										
WP2511636-013	SP25-1-13	Benzene	71-43-2	E611A	2.66 mg/kg	2.23 mg/kg	120	60.0	140	----
		Ethylbenzene	100-41-4	E611A	2.34 mg/kg	2.23 mg/kg	105	60.0	140	----
		Toluene	108-88-3	E611A	2.35 mg/kg	2.23 mg/kg	106	60.0	140	----
		Xylene, m+p-	179601-23-1	E611A	5.28 mg/kg	4.45 mg/kg	119	60.0	140	----
		Xylene, o-	95-47-6	E611A	2.49 mg/kg	2.23 mg/kg	112	60.0	140	----
Volatile Organic Compounds (QCLot: 2130136)										
WP2511636-033	DUP-2	Benzene	71-43-2	E611A	2.74 mg/kg	2.42 mg/kg	113	60.0	140	----
		Ethylbenzene	100-41-4	E611A	2.43 mg/kg	2.42 mg/kg	100	60.0	140	----
		Toluene	108-88-3	E611A	2.39 mg/kg	2.42 mg/kg	98.8	60.0	140	----
		Xylene, m+p-	179601-23-1	E611A	5.48 mg/kg	4.84 mg/kg	113	60.0	140	----
		Xylene, o-	95-47-6	E611A	2.57 mg/kg	2.42 mg/kg	106	60.0	140	----
Hydrocarbons (QCLot: 2122364)										
WP2511552-005	Anonymous	F2 (C10-C16)	----	E601.SG	420 mg/kg	489 mg/kg	85.8	60.0	140	----
		F3 (C16-C34)	----	E601.SG	743 mg/kg	974 mg/kg	76.3	60.0	140	----
		F4 (C34-C50)	----	E601.SG	714 mg/kg	839 mg/kg	85.2	60.0	140	----
Hydrocarbons (QCLot: 2124740)										
WP2511552-010	Anonymous	F1 (C6-C10)	----	E581.F1	122 mg/kg	99.6 mg/kg	123	60.0	140	----
Hydrocarbons (QCLot: 2124768)										
WP2511636-013	SP25-1-13	F1 (C6-C10)	----	E581.F1	86.6 mg/kg	94 mg/kg	92.2	60.0	140	----
Hydrocarbons (QCLot: 2126231)										
WP2511636-008	SP25-1-8	F2 (C10-C16)	----	E601.SG	511 mg/kg	506 mg/kg	101	60.0	140	----
		F3 (C16-C34)	----	E601.SG	998 mg/kg	1010 mg/kg	99.2	60.0	140	----
		F4 (C34-C50)	----	E601.SG	851 mg/kg	867 mg/kg	98.1	60.0	140	----
Hydrocarbons (QCLot: 2130051)										
WP2511636-027	SP25-3-9	F2 (C10-C16)	----	E601.SG	461 mg/kg	498 mg/kg	92.5	60.0	140	----
		F3 (C16-C34)	----	E601.SG	ND mg/kg	----	ND	60.0	140	MS-B
		F4 (C34-C50)	----	E601.SG	ND mg/kg	----	ND	60.0	140	MS-B
Hydrocarbons (QCLot: 2130135)										
WP2511636-033	DUP-2	F1 (C6-C10)	----	E581.F1	110 mg/kg	102 mg/kg	108	60.0	140	----



Sub-Matrix: Soil/Solid					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Hydrocarbons (QCLot: 2131867)										
WP2511636-027	SP25-3-9	F4G-sg	----	E601.F4G	ND mg/kg	----	ND	60.0	140	MS-B
Polycyclic Aromatic Hydrocarbons (QCLot: 2127206)										
WP2511636-001	SP25-1-1	Acenaphthene	83-32-9	E641A-L	0.404 mg/kg	0.432 mg/kg	93.5	50.0	140	----
		Acenaphthylene	208-96-8	E641A-L	0.406 mg/kg	0.432 mg/kg	94.0	50.0	140	----
		Acridine	260-94-6	E641A-L	0.381 mg/kg	0.432 mg/kg	88.2	50.0	140	----
		Anthracene	120-12-7	E641A-L	0.403 mg/kg	0.432 mg/kg	93.4	50.0	140	----
		Benz(a)anthracene	56-55-3	E641A-L	0.374 mg/kg	0.432 mg/kg	86.6	50.0	140	----
		Benzo(a)pyrene	50-32-8	E641A-L	0.401 mg/kg	0.432 mg/kg	92.8	50.0	140	----
		Benzo(b+j)fluoranthene	n/a	E641A-L	0.388 mg/kg	0.432 mg/kg	90.0	50.0	140	----
		Benzo(g,h,i)perylene	191-24-2	E641A-L	0.412 mg/kg	0.432 mg/kg	95.4	50.0	140	----
		Benzo(k)fluoranthene	207-08-9	E641A-L	0.398 mg/kg	0.432 mg/kg	92.2	50.0	140	----
		Chrysene	218-01-9	E641A-L	0.399 mg/kg	0.432 mg/kg	92.5	50.0	140	----
		Dibenz(a,h)anthracene	53-70-3	E641A-L	0.390 mg/kg	0.432 mg/kg	90.2	50.0	140	----
		Fluoranthene	206-44-0	E641A-L	0.410 mg/kg	0.432 mg/kg	95.0	50.0	140	----
		Fluorene	86-73-7	E641A-L	0.406 mg/kg	0.432 mg/kg	93.9	50.0	140	----
		Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.395 mg/kg	0.432 mg/kg	91.4	50.0	140	----
		Methylnaphthalene, 1-	90-12-0	E641A-L	0.398 mg/kg	0.432 mg/kg	92.2	50.0	140	----
		Methylnaphthalene, 2-	91-57-6	E641A-L	0.442 mg/kg	0.432 mg/kg	102	50.0	140	----
		Naphthalene	91-20-3	E641A-L	0.404 mg/kg	0.432 mg/kg	93.5	50.0	140	----
		Phenanthrene	85-01-8	E641A-L	0.403 mg/kg	0.432 mg/kg	93.2	50.0	140	----
		Pyrene	129-00-0	E641A-L	0.411 mg/kg	0.432 mg/kg	95.1	50.0	140	----
		Quinoline	91-22-5	E641A-L	0.380 mg/kg	0.432 mg/kg	88.0	50.0	140	----
Polycyclic Aromatic Hydrocarbons (QCLot: 2130602)										
WP2511636-021	SP25-3-3	Acenaphthene	83-32-9	E641A-L	0.382 mg/kg	0.421 mg/kg	90.7	50.0	140	----
		Acenaphthylene	208-96-8	E641A-L	0.389 mg/kg	0.421 mg/kg	92.4	50.0	140	----
		Acridine	260-94-6	E641A-L	0.351 mg/kg	0.421 mg/kg	83.4	50.0	140	----
		Anthracene	120-12-7	E641A-L	0.333 mg/kg	0.421 mg/kg	79.0	50.0	140	----
		Benz(a)anthracene	56-55-3	E641A-L	0.271 mg/kg	0.421 mg/kg	64.3	50.0	140	----
		Benzo(a)pyrene	50-32-8	E641A-L	0.212 mg/kg	0.421 mg/kg	50.4	50.0	140	----
		Benzo(b+j)fluoranthene	n/a	E641A-L	0.215 mg/kg	0.421 mg/kg	51.1	50.0	140	----
		Benzo(g,h,i)perylene	191-24-2	E641A-L	0.275 mg/kg	0.421 mg/kg	65.4	50.0	140	----
		Benzo(k)fluoranthene	207-08-9	E641A-L	0.303 mg/kg	0.421 mg/kg	71.8	50.0	140	----
		Chrysene	218-01-9	E641A-L	0.237 mg/kg	0.421 mg/kg	56.3	50.0	140	----
		Dibenz(a,h)anthracene	53-70-3	E641A-L	0.340 mg/kg	0.421 mg/kg	80.7	50.0	140	----
		Fluoranthene	206-44-0	E641A-L	ND mg/kg	----	ND	50.0	140	----
		Fluorene	86-73-7	E641A-L	0.385 mg/kg	0.421 mg/kg	91.4	50.0	140	----
		Indeno(1,2,3-c,d)pyrene	193-39-5	E641A-L	0.258 mg/kg	0.421 mg/kg	61.1	50.0	140	----
		Methylnaphthalene, 1-	90-12-0	E641A-L	0.383 mg/kg	0.421 mg/kg	90.8	50.0	140	----
		Methylnaphthalene, 2-	91-57-6	E641A-L	0.409 mg/kg	0.421 mg/kg	97.1	50.0	140	----
		Naphthalene	91-20-3	E641A-L	0.363 mg/kg	0.421 mg/kg	86.2	50.0	140	----
		Phenanthrene	85-01-8	E641A-L	ND mg/kg	----	ND	50.0	140	----
		Pyrene	129-00-0	E641A-L	ND mg/kg	----	ND	50.0	140	----
		Quinoline	91-22-5	E641A-L	0.336 mg/kg	0.421 mg/kg	79.8	50.0	140	----



Qualifiers

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.



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:

Sub-Matrix:					Reference Material (RM) Report				
					RM Target Concentration	Recovery (%) RM	Recovery Limits (%)		Qualifier
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method			Low	High	
Metals (QCLot: 2127208)									
QC-2127208-003	RM	Boron, hot water soluble	7440-42-8	E487	0.374 mg/kg	90.6	60.0	140	----
Metals (QCLot: 2127209)									
QC-2127209-003	RM	Mercury	7439-97-6	E510C	0.068 mg/kg	87.0	70.0	130	----
Metals (QCLot: 2127210)									
QC-2127210-003	RM	Antimony	7440-36-0	E440C	24.8 mg/kg	90.3	70.0	130	----
QC-2127210-003	RM	Arsenic	7440-38-2	E440C	21.2 mg/kg	87.6	70.0	130	----
QC-2127210-003	RM	Barium	7440-39-3	E440C	788 mg/kg	87.9	70.0	130	----
QC-2127210-003	RM	Beryllium	7440-41-7	E440C	1.82 mg/kg	89.7	70.0	130	----
QC-2127210-003	RM	Cadmium	7440-43-9	E440C	2.15 mg/kg	91.4	70.0	130	----
QC-2127210-003	RM	Chromium	7440-47-3	E440C	56.9 mg/kg	91.2	70.0	130	----
QC-2127210-003	RM	Cobalt	7440-48-4	E440C	32 mg/kg	89.2	70.0	130	----
QC-2127210-003	RM	Copper	7440-50-8	E440C	969 mg/kg	92.2	70.0	130	----
QC-2127210-003	RM	Lead	7439-92-1	E440C	919 mg/kg	88.0	70.0	130	----
QC-2127210-003	RM	Molybdenum	7439-98-7	E440C	25.1 mg/kg	89.5	70.0	130	----
QC-2127210-003	RM	Nickel	7440-02-0	E440C	1000 mg/kg	90.3	70.0	130	----
QC-2127210-003	RM	Selenium	7782-49-2	E440C	1.04 mg/kg	86.9	60.0	140	----
QC-2127210-003	RM	Silver	7440-22-4	E440C	8.98 mg/kg	84.3	70.0	130	----
QC-2127210-003	RM	Thallium	7440-28-0	E440C	0.907 mg/kg	90.9	70.0	130	----
QC-2127210-003	RM	Uranium	7440-61-1	E440C	3.97 mg/kg	90.0	70.0	130	----
QC-2127210-003	RM	Vanadium	7440-62-2	E440C	66.2 mg/kg	90.9	70.0	130	----
QC-2127210-003	RM	Zinc	7440-66-6	E440C	828 mg/kg	90.2	70.0	130	----
Metals (QCLot: 2129934)									
QC-2129934-003	RM	Boron, hot water soluble	7440-42-8	E487	0.374 mg/kg	101	60.0	140	----
Metals (QCLot: 2129935)									
QC-2129935-003	RM	Mercury	7439-97-6	E510C	0.068 mg/kg	85.4	70.0	130	----
Metals (QCLot: 2129936)									
QC-2129936-003	RM	Antimony	7440-36-0	E440C	24.8 mg/kg	91.4	70.0	130	----
QC-2129936-003	RM	Arsenic	7440-38-2	E440C	21.2 mg/kg	95.6	70.0	130	----
QC-2129936-003	RM	Barium	7440-39-3	E440C	788 mg/kg	95.3	70.0	130	----
QC-2129936-003	RM	Beryllium	7440-41-7	E440C	1.82 mg/kg	90.5	70.0	130	----
QC-2129936-003	RM	Cadmium	7440-43-9	E440C	2.15 mg/kg	95.4	70.0	130	----
QC-2129936-003	RM	Chromium	7440-47-3	E440C	56.9 mg/kg	97.7	70.0	130	----



Sub-Matrix:					Reference Material (RM) Report				
					RM Target Concentration	Recovery (%) RM	Recovery Limits (%)		Qualifier
							Low	High	
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method					
Metals (QCLot: 2129936) - continued									
QC-2129936-003	RM	Cobalt	7440-48-4	E440C	32 mg/kg	97.4	70.0	130	----
QC-2129936-003	RM	Copper	7440-50-8	E440C	969 mg/kg	98.7	70.0	130	----
QC-2129936-003	RM	Lead	7439-92-1	E440C	919 mg/kg	91.0	70.0	130	----
QC-2129936-003	RM	Molybdenum	7439-98-7	E440C	25.1 mg/kg	91.2	70.0	130	----
QC-2129936-003	RM	Nickel	7440-02-0	E440C	1000 mg/kg	99.6	70.0	130	----
QC-2129936-003	RM	Selenium	7782-49-2	E440C	1.04 mg/kg	91.6	60.0	140	----
QC-2129936-003	RM	Silver	7440-22-4	E440C	8.98 mg/kg	86.8	70.0	130	----
QC-2129936-003	RM	Thallium	7440-28-0	E440C	0.907 mg/kg	92.3	70.0	130	----
QC-2129936-003	RM	Uranium	7440-61-1	E440C	3.97 mg/kg	92.5	70.0	130	----
QC-2129936-003	RM	Vanadium	7440-62-2	E440C	66.2 mg/kg	98.3	70.0	130	----
QC-2129936-003	RM	Zinc	7440-66-6	E440C	828 mg/kg	96.4	70.0	130	----
Metals (QCLot: 2130590)									
QC-2130590-003	RM	Boron, hot water soluble	7440-42-8	E487	0.374 mg/kg	99.5	60.0	140	----
Metals (QCLot: 2130591)									
QC-2130591-003	RM	Mercury	7439-97-6	E510C	0.068 mg/kg	97.6	70.0	130	----
Metals (QCLot: 2130592)									
QC-2130592-003	RM	Antimony	7440-36-0	E440C	24.8 mg/kg	94.2	70.0	130	----
QC-2130592-003	RM	Arsenic	7440-38-2	E440C	21.2 mg/kg	94.1	70.0	130	----
QC-2130592-003	RM	Barium	7440-39-3	E440C	788 mg/kg	93.1	70.0	130	----
QC-2130592-003	RM	Beryllium	7440-41-7	E440C	1.82 mg/kg	93.5	70.0	130	----
QC-2130592-003	RM	Cadmium	7440-43-9	E440C	2.15 mg/kg	91.5	70.0	130	----
QC-2130592-003	RM	Chromium	7440-47-3	E440C	56.9 mg/kg	96.0	70.0	130	----
QC-2130592-003	RM	Cobalt	7440-48-4	E440C	32 mg/kg	93.5	70.0	130	----
QC-2130592-003	RM	Copper	7440-50-8	E440C	969 mg/kg	94.8	70.0	130	----
QC-2130592-003	RM	Lead	7439-92-1	E440C	919 mg/kg	88.3	70.0	130	----
QC-2130592-003	RM	Molybdenum	7439-98-7	E440C	25.1 mg/kg	91.7	70.0	130	----
QC-2130592-003	RM	Nickel	7440-02-0	E440C	1000 mg/kg	95.0	70.0	130	----
QC-2130592-003	RM	Selenium	7782-49-2	E440C	1.04 mg/kg	99.2	60.0	140	----
QC-2130592-003	RM	Silver	7440-22-4	E440C	8.98 mg/kg	86.8	70.0	130	----
QC-2130592-003	RM	Thallium	7440-28-0	E440C	0.907 mg/kg	92.7	70.0	130	----
QC-2130592-003	RM	Uranium	7440-61-1	E440C	3.97 mg/kg	96.8	70.0	130	----
QC-2130592-003	RM	Vanadium	7440-62-2	E440C	66.2 mg/kg	95.6	70.0	130	----
QC-2130592-003	RM	Zinc	7440-66-6	E440C	828 mg/kg	93.2	70.0	130	----
Speciated Metals (QCLot: 2127207)									
QC-2127207-003	RM	Chromium, hexavalent [Cr VI]	18540-29-9	E532	135 mg/kg	85.1	70.0	130	----
Speciated Metals (QCLot: 2129939)									
QC-2129939-003	RM	Chromium, hexavalent [Cr VI]	18540-29-9	E532	135 mg/kg	90.5	70.0	130	----



Sub-Matrix:					Reference Material (RM) Report				
					RM Target Concentration	Recovery (%) RM	Recovery Limits (%)		Qualifier
Laboratory sample ID	Reference Material ID	Analyte	CAS Number	Method			Low	High	
Speciated Metals (QCLot: 2130586)									
QC-2130586-003	RM	Chromium, hexavalent [Cr VI]	18540-29-9	E532	135 mg/kg	87.4	70.0	130	----
Speciated Metals (QCLot: 2132541)									
QC-2132541-003	RM	Chromium, hexavalent [Cr VI]	18540-29-9	E532	135 mg/kg	89.4	70.0	130	----



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COC Number: 23 - 1091691

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Environmental Division
Winnipeg
Work Order Reference
WP2511636



Telephone: +1 204 255 9720

Report To Contact and company name below will appear on the final report		Reports / Recipients		Turnaround Time (TAT) Requested	
Company:	Abeom CANADA ULC	Select Report Format:	☒ PDF ☒ EXCEL ☒ EDD (DIGITAL)	☐ Routine [R] If received by 3pm M-F - no surcharges apply ☐ 4 day [P4] If received by 3pm M-F - 20% rush surcharge minim ☐ 3 day [P3] If received by 3pm M-F - 25% rush surcharge minim ☐ 2 day [P2] If received by 3pm M-F - 50% rush surcharge minim ☐ 1 day [E] If received by 3pm M-F - 100% rush surcharge minim ☐ Same day [E2] If received by 10am M-S - 200% rush surcharge	
Contact:	JARED UFFENS	Merge QC/QCI Reports with COA	☐ YES ☐ NO ☐ N/A		
Phone:	204-899-4084	☐ Compare Results to Criteria on Report - provide details below if box checked			
Company address below will appear on the final report		Select Distribution:	☒ EMAIL ☐ MAIL ☐ FAX		
Street:	49 Commerce Dr	Email 1 or Fax:	JARED.UFFENS@ABEOM.COM		
City/Province:	Winnipeg MB	Email 2:	JEN.MURPHY@ABEOM.COM		
Postal Code:	R3P0N7	Email 3:	DANIELA.O'DRISCOLL@ABEOM.COM		
Invoice To:	Same as Report To ☐ YES ☒ NO	Invoice Recipients		Analysis R	
Copy of Invoice with Report	☐ YES ☒ NO	Select Invoice Distribution:	☒ EMAIL ☐ MAIL ☐ FAX	For all tests with rush TATs requested, please	
Company:	ABEOM CANADA	Email 1 or Fax:	CANVSSC-E-billing@ABEOM.COM		
Contact:	Accounts Payable	Email 2:			
Project Information		Oil and Gas Required Fields (client use)			
ALS Client Code / QUOTE #:	ABEOM MSP	AFE/Cost Center:		PO#	
Job / Project #:	60705950 TASK 104	Major/Minor Code:		Routing Code:	
PO / AFE:		Requisitioner:			
LSD:		Location:			
ALS Lab Work Order # (ALS use only):		ALS Contact:	JUDY	Sampler:	JW+DD
ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type	
	SP25-1-1	22-7-25		Soil	
	SP25-1-2				
	SP25-1-3				
	SP25-1-4				
	SP25-1-5				
	SP25-1-6				
	SP25-1-7				
	SP25-1-8				
	SP25-1-9				
	SP25-1-10				
	SP25-1-11				
	SP25-1-12				
Drinking Water (DW) Samples¹ (client use)		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)		SAMPLE RECEIPT DETAILS (ALS use only)	
Are samples taken from a Regulated DW System? ☐ YES ☐ NO				Cooling Method ☐ NONE ☐ ICE ☐ ICE PACKS ☐ FROZEN ☐ COOLING INITIATED	
Are samples for human consumption/ use? ☐ YES ☐ NO				Cooler Custody Seals Intact: ☐ YES ☐ N/A Sample Custody Seals Intact: ☐ YES ☐ N/A	
				INITIAL COOLER TEMPERATURES °C: 0.2 FINAL COOLER TEMPERATURES °C:	
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (ALS use only)		FINAL SHIPMENT RECEPTION (ALS use only)	
Released by:	Date:	Time:	Received by:	Date:	Time:
			AK	JULY 23	2:16

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.
1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

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COC Number: 23 - 1091688

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Report To Contact and company name below will appear on the final report		Reports / Recipients		Turnaround Time (TAT) Requested		AFFIX ALS BARCODE LABEL HERE (ALS use only)	
Company:		Select Report Format:	☐ PDF ☐ EXCEL ☐ BDO (DIGITAL)	☒ Routine [R] if received by 3pm M-F - no surcharges apply ☐ 4 day [P4] if received by 3pm M-F - 20% rush surcharge minimum ☐ 3 day [P3] if received by 3pm M-F - 25% rush surcharge minimum ☐ 2 day [P2] if received by 3pm M-F - 50% rush surcharge minimum ☐ 1 day [E] if received by 3pm M-F - 100% rush surcharge minimum ☐ Same day [E2] if received by 10am M-S - 200% rush surcharge.			
Contact:		Merge QC/QCI Reports with COA	☐ YES ☐ NO ☐ N/A				
Phone:		☐ Compare Results to Criteria on Report - provide details below if box checked					
Company address below will appear on the final report		Select Distribution:	☐ EMAIL ☐ MAIL ☐ FAX	Additional fees may apply to rush requests on weekends, statutory holidays and for non-routine tests.			
Street:		Email 1 or Fax		Date and Time Required for all E&P, TATs: dd-mm-yy hh:mm am/pm			
City/Province:		Email 2					
Postal Code:		Email 3					
Invoice To	Same as Report To ☐ YES ☐ NO	Invoice Recipients		For all tests with rush TATs requested, please contact your AM to confirm availability.			
Company:	Copy of Invoice with Report ☐ YES ☐ NO	Select Invoice Distribution:	☐ EMAIL ☐ MAIL ☐ FAX				
Contact:		Email 1 or Fax					
		Email 2					
Project Information		Oil and Gas Required Fields (client use)					
ALS Client Code / QUOTE #:		AFE/Cost Center:		PO#			
Job / Project #:		Major/Minor Code:		Routing Code:			
PO / AFE:		Requisitioner:					
LSD:		Location:					
ALS Lab Work Order # (ALS use only):		ALS Contact:		Sampler:			
ALS Sample # (ALS use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below	SAMPLES ON HOLD EXTENDED STORAGE REQUIRED SUSPECTED HAZARD (see notes)
	SP25-1-13	22-07-25		Soil	PHC FI-F4		
	SP25-1-14				BTEX		
	SP25-1-15				PAHs		
	SP25-1-16				Heavy Metals (Pb, Cu, Hg, etc)		
	SP25-2-1						
	SP25-2-2						
	SP25-3-1						
	SP25-3-2						
	SP25-3-3						
	SP25-3-4						
	SP25-3-5						
	SP25-3-6						
Drinking Water (DW) Samples¹ (client use)		Notes / Specify Limits for result evaluation by selecting from drop-down below (Excel COC only)		SAMPLE RECEIPT DETAILS (ALS use only)			
Are samples taken from a Regulated DW System? ☐ YES ☐ NO				Cooling Method: ☐ NONE ☐ ICE ☐ ICE PACKS ☐ FROZEN ☐ COOLING INITIATED			
Are samples for human consumption/ use? ☐ YES ☐ NO				Cooler Custody Seals Intact: ☐ YES ☐ N/A Sample Custody Seals Intact: ☐ YES ☐ N/A			
				INITIAL COOLER TEMPERATURES °C: FINAL COOLER TEMPERATURES °C:			
SHIPMENT RELEASE (client use)		INITIAL SHIPMENT RECEPTION (ALS use only)		FINAL SHIPMENT RECEPTION (ALS use only)			
Released by:	Date:	Time:	Received by:	Date:	Time:	Received by:	Date:

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1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.

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COC Number: **23 - 1091689**

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1. If any water samples are taken from a **Regulated Drinking Water (DW) System**, please submit using an **Authorized DW COC form**.

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