



REPORT

Phase Two Environmental Site Assessment

Walker-Cabana Development, Windsor, Ontario

Submitted to:

391568 Ontario Inc.

4072 Walker Road
Windsor, Ontario
N8W 3T5

Submitted by:

WSP Canada Inc.

11865 County Road 42, Tecumseh, Ontario N8N 0H1

CA0046126.8978

October 2, 2025

Distribution List

1 copy (.pdf) - 391568 Ontario Inc.

1 copy (.pdf) - WSP Canada Inc.

Record of Issue

Company	Version	Date Issued	Comment
391568 Ontario Inc.	RevA	May 12, 2025	Draft for client review
391568 Ontario Inc.	Rev0	October 2, 2025	Final report

Table of Contents

1.0	EXECUTIVE SUMMARY	1
2.0	INTRODUCTION	1
2.1	Site Description	1
2.2	Property Ownership	2
2.3	Current and Proposed Future Uses	2
2.4	Applicable Site Condition Standard	3
2.5	Property Redevelopment	3
3.0	BACKGROUND INFORMATION.....	4
3.1	Physical Setting.....	4
3.2	Past Investigations	4
4.0	SCOPE OF THE INVESTIGATION.....	8
4.1	Overview of Site Investigation.....	8
4.2	Media Investigated	8
4.3	Phase One Conceptual Site Model	9
4.4	Deviations from Sampling and Analysis Plan	9
4.5	Impediments.....	9
5.0	INVESTIGATION METHOD	9
5.1	General.....	9
5.2	Drilling	10
5.3	Soil: Sampling	10
5.3.1	Stockpile Sampling.....	10
5.4	Field Screening Measurements	11
5.5	Groundwater: Monitoring Well Installation	11
5.6	Groundwater: Field Measurements for Water Quality Parameters.....	11
5.7	Groundwater: Sampling	12
5.8	Sediment: Sampling	12

5.9	Analytical Testing	12
5.10	Residue Management Procedures	12
5.11	Elevation Surveying	12
5.12	Quality Assurance and Quality Control Measures	12
6.0	REVIEW AND EVALUATION	13
6.1	Geology	14
6.2	Groundwater: Elevations and Flow Direction	14
6.3	Groundwater: Hydraulic Gradients	15
6.4	Fine-Medium Soil Texture and pH	15
6.5	Soil: Field Screening	16
6.6	Soil: Quality	16
6.6.1	Exemptions	16
6.6.2	Soil Results	18
6.6.2.1	Table 3 RPI	18
6.6.2.2	Table 3 ICC	18
6.6.2.3	Table 9 RPIICC	18
6.7	Groundwater: Quality	18
6.8	Sediment: Quality	18
6.9	Data Quality Review	19
7.0	CONCLUSIONS	20
8.0	REFERENCES	21
9.0	LIMITATIONS	22
10.0	SIGNATURES	22

TABLES

Table 1 – Well Construction Details & Water Levels

Table 2 – Monitoring Well Development Data

Table 3 – Groundwater Sampling Data & Observations

Table 4 – Summary Of TCLP Analyses

Table 5 – Summary Of Petroleum Hydrocarbons & Volatile Organic Compound Soil Analyses

Table 6 – Summary Of Polycyclic Aromatic Hydrocarbons Soil Analyses

Table 7 – Summary Of Metals Soil Analyses

Table 8 – Summary Of Petroleum Hydrocarbons & Volatile Organic Compound Groundwater Analyses

Table 9 – Summary Of Polycyclic Aromatic Hydrocarbons Groundwater Analyses

Table 10 – Summary Of Metals Groundwater Analyses

Table 11 – Summary Of Polychlorinated Biphenyls Groundwater Analyses

FIGURES

Figure 1 – Key Plan

Figure 2 – Generalized Site Plan

Figure 3 – Potentially Contaminating Activities

Figure 4 – Areas Of Potential Environmental Concern

Figure 5 – Investigation Locations

Figure 6 – Groundwater Contour Plan – March 19, 2025

APPENDICES

APPENDIX A

Plan of Survey

APPENDIX B

Sampling and Analysis Plan

APPENDIX C

Field Logs

APPENDIX D

Certificates of Analysis

1.0 EXECUTIVE SUMMARY

WSP Canada Inc (WSP) was retained by 391568 Ontario Inc. (the Client) to conduct a Phase Two Environmental Site Assessment ("Phase Two ESA") of three commercial properties at 2375 and 2385 Cabana Road East (formerly Division Road) and 4040 Walker Road, and three industrial parcels at 0, 0, and 2415 Cabana Road East in Windsor, Ontario (the "Phase Two Property"). The location of the Phase Two Property is provided in Figure 1.

WSP previously completed a Phase One Environmental Site Assessment (Phase One ESA) for the Site, the results of which were documented in the report titled "*Phase One Environmental Site Assessment, Walker-Cabana Development, Windsor, Ontario*", dated October 1, 2025. Based on the findings of the Phase One ESA, WSP completed this Phase Two ESA investigation.

The analytical results from the sampling and analysis program indicates that the reported concentrations of various parameters in shallow soil at the Phase Two Property do not meet the applicable Ministry of Environment, Conservation and Parks ("MECP") Table 3 Site Condition Standards (residential use, fine textured soil)¹, Table 3 Site Condition Standards (industrial use, fine textured soil), or Table 9 Generic Site Condition Standard (within 30 m of a Water Body). The reported concentrations of all other parameters tested in soil and groundwater were below the applicable site condition standards.

Based on the results of the soil and groundwater samples submitted as part of this Phase Two ESA, the reported concentrations of the contaminants of potential concern were below the applicable site condition standards with exception to the areas outlined around BH14, MW9, MW11, and the stockpile where S-SA1 was taken where various contaminants in soil was identified. No groundwater impacts were identified above Table 9 SCS, Table 3 SCS (for RPI and ICC). Contamination identified at BH14 and MW9 were remediated (details provided under a separate cover).

2.0 INTRODUCTION

2.1 Site Description

WSP was retained by the Client to conduct a Phase Two Environmental Site Assessment ("Phase Two ESA") of the following property:

Municipal Address	4040 Walker Road, Windsor, Ontario 0, 0, 2375, 2385, 2415 Cabana Road East, Windsor, Ontario
Property Identification Number	2375 Cabana Road East: 01560-2708 (LT) 2385 Cabana Road East: 01560-2706 (LT) 2415 Cabana Road East: 01560-3017 (LT), 01560-3016 (LT), 01560-3014 (LT) 4040 Walker Road: 01560-0111 (LT)
Legal Description	2375 Division Road: Part lot 16, Con 6 Sandwich East as in R706061, except Parts 6-8 Plan LT294125 2385 Division Road: Part lot 16, Con 6 Sandwich East as in R711664, except Part 1, Plan 12R18008

¹ Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act, Ministry of the Environment, April 15, 2011 (PIBS# 7382e01)

Municipal Address	4040 Walker Road, Windsor, Ontario 0, 0, 2375, 2385, 2415 Cabana Road East, Windsor, Ontario
	2415 Division Road: Part lots 15 & 16, Con 6 Sandwich East as Parts 8-11, 14-18, 33-35, 42 & 47 Plan 12R29481 and Part lots 15 & 16, Con 6 Sandwich East as Part Lots 3-6, Plan 12R26977, except Part 5, Plan 12R29481 4040 Walker Road: Part lot 16, Con 6 Sandwich East as in R1198471
Size of the Phase Two Property	7.916 hectares

The location of the Phase Two Property is provided in Figure 1. A plan of survey for the Site is provided in Appendix A. The boundaries of the Phase Two Property are provided in Figure 2.

2.2 Property Ownership

Authorization to proceed with this investigation was received from Andrea Sutton of the Client on December 6, 2025. The contact information for the Phase Two Property owner is as follows:

Site Owner / Client	Address	Contact Information
391568 Ontario Inc., LBI Development Inc. and Andrea P. Holdings Corp.	4072 Walker Road Windsor, Ontario, N8W 3T5	Ray Pittao & Andrea Sutton (owners) 519-969-0152 andreap@mdirect.net

2.3 Current and Proposed Future Uses

The Phase Two Property is currently developed with four buildings, with the site use history of each lot listed below:

- 2375 Cabana Road East was developed as a retail fuel outlet since at least 1953 and operated as such until some time between 1969 and 1980. The retail fuel outlet was replaced with a restaurant until it was demolished in approximately 2006. No structures have been present on the property since then and currently operates as a seasonal produce stand.
- 2385 Cabana Road East was occupied by commercial and/or residential buildings since at least 1954 and operated as such until approximately 2000 when the buildings were demolished. The current car wash was constructed between 2000 and 2004.
- 0, 0, 2415 Cabana Road East were largely vacant with a small residential home at the northwest corner of the property since at least 1954. A manufacturing facility was constructed prior to 1969. By 1990, the original residential building was demolished, and an office building was constructed. The industrial building was demolished by 2017. Four aboveground storage tanks (ASTs) were located east of the industrial building (circa 2006-2013). Currently, the property operates as a commercial office building (and empty storage yard).
- 4040 Walker Road has been occupied by a motel since it was constructed between 1954 and 1969. The property was vacant prior to the construction of the motel.

The proposed future use of the Phase Two Property is mixed residential and commercial. A record of site condition (RSC) is required for residential redevelopment at the Phase Two Property based on the change to a more sensitive land use (commercial to residential).

2.4 Applicable Site Condition Standard

The analytical results were compared to the Table 9 Generic Site Condition Standards for Use within 30 m of a Water Body in a Non-Potable Groundwater Condition (Table 9 SCS) as well as Table 3 Generic Site Condition Standards (Residential/Parkland/Institutional Property Use, medium to fine soil texture) (Table 3 RPI SCS) and Table 3 Generic Site Condition Standards (Industrial/Commercial/Community Property Use, medium to fine soil texture) (Table 3 ICC SCS) presented in the MECP document "*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*", dated April 15, 2011. The applicable site condition standards were selected based on the following rationale:

- The Phase Two Property and all other properties located, in whole or in part, within 250 metres of the Phase Two Property are supplied by the City of Windsor municipal drinking water system. No wells were identified that are used or intended for use as a source of potable water.
- The Phase Two Property is not located in an area designated in a municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of ground water.
- WSP notified the City of Windsor of the intent to use non-potable standards on January 16, 2025 and received a response stating the City had no objections on January 21, 2025.
- More than two thirds of the soil materials are considered to be medium- to fine-textured (Section 6.4).
- The closest permanent water body is the Sixth Concession Drain at the east-central portion of the 2415 Cabana Road East property. As the drain is a Class C Drain with a permanent water flow, it is considered a water body as per O.Reg. 153/04.
- No features have been identified at the Phase Two Property that would meet the conditions of an environmentally sensitive site, as described in Section 41.
- The pH of surface soil is $5 \leq \text{pH} \leq 9$ and the pH of sub-surface soil meets the requirement of $5 \leq \text{pH} \leq 11$ with the exceptions listed in Section 6.4.
- The intended use of the Phase Two Property is mixed residential and commercial. The RSC portion of the Site (Table 3 RPI SCS) will be presented in a separate cover from this report.
- The overburden thickness is greater than 2 metres over more than one-third of the Phase Two Property. The reported depth to water is greater than 1.2 metres over the entire Phase Two Property.

2.5 Property Redevelopment

The Phase Two Property redevelopment plan includes two mixed commercial and residential buildings and multiple commercial buildings. The two mixed commercial and residential buildings will be located on 2375, 2385 and the northwest portion of 2415 Cabana Road East. The remainder of the Phase Two Property will be redeveloped for commercial use only.

Based on the presence of the Sixth Concession Drain within the 2415 Cabana Road East property, the entire Phase Two Property would fall under Table 9 SCS for an RSC filing. WSP engaged with the City of Windsor and

on April 7, 2025, obtained agreement from the City of Windsor to limit the RSC property to only the portions of the Phase Two Property that will be redeveloped for residential use, as shown on Figure 5.

This Phase Two ESA report will summarize the analytical results compared to the applicable SCS based on the sample location within the Phase Two Property. The conclusions and recommendations will address only the non-RSC components of the Phase Two Property. This report will meet the general requirements of O.Reg. 153/04 but would not support an RSC filing. A stand-alone Phase Two ESA report for the RSC Property will be completed to support an RSC filing.

3.0 BACKGROUND INFORMATION

This section presents the background conditions of the Phase Two Property including a description of the physical setting and a summary of past investigations conducted.

The objectives of the Phase Two ESA were to obtain information about environmental conditions in the soil and groundwater on, in or under the Site. A Conceptual Site Model was not completed as a Record of Site Condition isn't required for the full Site. The portion of the Site in which a Record of Site Condition is required will be reported under a separate cover, in full compliance with O.Reg. 153/04 Standards. The objectives of this Phase Two ESA were achieved by:

- Developing an understanding of the geological and hydrogeological conditions at the Phase Two Property.
- Conducting field sampling for all contaminants of potential concern ("COPCs") associated with each area of potential environmental concern ("APEC").

3.1 Physical Setting

The closest permanent water body is the Sixth Concession Drain at the east-central portion of the 2415 Cabana Road East property. As the drain is a Class C Drain with a permanent water flow, it is considered a water body as per O.Reg. 153/04. The second nearest surface water body is the Grand Marais Drain, located 3.2 km northwest of the Phase Two Property.

There are no areas of natural significance within the Phase One Study area. Land uses surrounding the Phase Two Property include residential, agricultural, commercial, and industrial, as shown in Figure 2.

Soil at the Phase One Property consists primarily of fine textured glaciolacustrine deposits of silt and clay, and minor sand and gravel. Bedrock consists of limestone, dolostone, and shale of the Dundee Formation.

The topography of the Phase Two Property and surrounding areas is generally flat.

3.2 Past Investigations

3.2.1 Phase One ESA

WSP conducted a Phase One ESA entitled, "*Phase One Environmental Site Assessment, Walker-Cabana Development, Windsor, Ontario*", dated October 1, 2025, to assess the likelihood of soil and/or groundwater contamination resulting from historical or present activities at the Site and surrounding area. This included a review of available historical information on the Site and surrounding area, interviews with persons familiar with

the Site and a Site reconnaissance. The APECs identified in the 2025 Phase One ESA are summarized in the following table:

Area of Potential Environmental Concern ¹	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity ²	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern ³	Media Potentially Impacted (Groundwater, soil, and/or Sediment)
APEC 1 – Fill is inferred to be present throughout the Phase One Property. Soil stockpiles of unknown origins are present along the eastern boundaries of 2415 Cabana Road East.	Site-wide	#30 Importation of Fill Material of Unknown Quality	On-site	Metals, VOCs, PHCs, PAHs, ORP, As, Sb, Se	Soil
APEC 2 – Salting of the parking lots and driving areas of the Site has occurred historically.	Site-wide	Other – Roadway salting	On-site	EC, SAR Exempt by O.Reg. 153/04 Section 49.1	Soil Exempt by O.Reg. 153/04 Section 49.1
APEC 3 – 2375 Cabana Road East was historically a retail fuel outlet and contained seven USTs.	2375 Cabana Road East	#28 Gasoline and Associated Product Storage in Fixed Tanks	On-site	BTEX, PHCs, PAHs, Metals, As, Sb, Se	Soil Groundwater
APEC 4 – 2415 Cabana Road East historically operated as a concrete pipe manufacturer and was an HWIN waste generator	Northern half of 0, 0, and 2415 Cabana Road East	#12 Concrete, Cement and Lime Manufacturing Other – HWIN Waste Generator	On-site	VOCs, PHCs, Metals, PAHs, ORP, pH, As, Sb, Se	Soil Groundwater
APEC 5 – 2415 Cabana Road East included fuel storage in 4 ASTs	Northern portion of 2415 Cabana Road East	#28 Gasoline and Associated Product Storage in Fixed Tanks	On-Site	BTEX, PHCs, PAHs, Metals, As, Sb, Se	Soil Groundwater
APEC 6A – A 150 L diesel spill occurred at the southern end of the office building at 2415 Cabana Road East (2020)	Southern portion of 2415 Cabana Road East office building	Other – Spills and Releases	On-site	BTEX, PHCs	Soil

Area of Potential Environmental Concern ¹	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity ²	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern ³	Media Potentially Impacted (Groundwater, soil, and/or Sediment)
APEC 6B – A 150 L diesel spill occurred at the southern end of the office building at 2415 Cabana Road East (2019)	East of the southeast corner of 2415 Cabana Road East office building	Other – Spills and Releases	On-site	BTEX, PHCs	Soil
APEC 7 – Retail fuel outlet at 2295 Cabana Road East and former trucking terminal at 4055 Walker Road.	Western portion of 2375 Cabana Road East and 4040 Walker Road	#10 Commercial Autobody Shop #11 Commercial Trucking and Container Terminals #28 Gasoline and Associated Product Storage in Fixed Tanks	Off-site	VOCs, PHCs, Metals, As, Sb, Se	Groundwater
APEC 8 – Historical retail fuel outlet at 2414 Cabana Road East and former fuel tanks at industrial property 2450 Cabana Road East	Northern portion of 0, 0, 2385, and 2415 Cabana Road East	#28 Gasoline and Associated Product Storage in Fixed Tanks #52 Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems Other – Industrial operations	Off-site	BTEX, PHCs, Metals, As, Sb, Se	Groundwater

Area of Potential Environmental Concern ¹	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity ²	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern ³	Media Potentially Impacted (Groundwater, soil, and/or Sediment)
APEC 9 – Chesapeake & Ohio Railway, east adjacent to 2415 Cabana Road East and industrial operations, HWIN waste generators, automotive service, and metal fabrication along 7 th Concession Road	Southeast corner of 2415 Cabana Road East	#10 Commercial Autobody Shops #34 Metal Fabrication #46 Rail Yards, Tracks and Spurs #52 Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems Other – HWIN Waste Generator Other – Industrial Operations	Off-site	VOCs, PHCs, Metals, PAHs, PCBs, As, Sb, Se	Groundwater

Notes

- 1 Area of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through, (a) identification of past or present uses on, in or under the phase one property, and (b) identification of potentially contaminating activity.
- 2 Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area.
- 3 Contaminants of potential concern specified using the method groups as identified in the "Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality", March 9, 2004, amended as of February 19, 2021.
- 4 Contaminants of concern include: volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs), polycyclic aromatic hydrocarbons (PAHs), O.Reg. 153/04 metals (Metals) including hydrides (As, Sb, Se) and other regulated parameters including electrical conductivity (EC), sodium adsorption ratio (SAR), chromium VI, mercury, boron-hot water soluble, cyanide and pH.

This report was prepared by a Qualified Person and will be relied upon for the Phase Two investigation.

4.0 SCOPE OF THE INVESTIGATION

4.1 Overview of Site Investigation

The Phase Two ESA investigation activities were completed between January 30, 2025 and March 20, 2025 and included the following tasks:

- **Health and Safety Plan:** Preparation of a Health and Safety Plan for internal and subcontractor use prior to initiating any field work at the Site.
- **Utility Clearances:** Coordination of utility clearances with local utility companies along with retaining the services of a private locator to assess for possible services in the areas of the proposed test locations.
- **Borehole Advancement and Monitoring Well Installation:** The borehole drilling and monitoring well installation program included drilling of twenty-seven boreholes, thirteen of which completed as groundwater monitoring wells, used for groundwater sampling at the Site. The rationale for the selected location of the boreholes is provided in the Sampling and Analysis Plan provided in Appendix B. The locations of the boreholes and monitoring wells are provided in Figure 5. The monitoring well construction details are presented in Table 1.
- **Soil Sampling:** Soil samples were collected on February 3 to 5, 2025 from the boreholes. Soil samples were collected on February 27, 2025 from on-site stockpiles. Selected soil samples were submitted for analysis of the COPCs (Tables 5 to 7).
- **Groundwater Monitoring and Sampling:** Groundwater development and monitoring were completed on February 21 & 25 and March 7, 2025 (Table 2). Groundwater samples were collected on March 19 and 20, 2025. Groundwater samples were submitted for analysis of the COPCs (Table 3).
- **Surveying:** An elevation survey for boreholes and monitoring wells was completed by WSP.
- **Reporting:** WSP compiled and assessed the field and laboratory results from the above noted activities into this report.

The Phase Two investigation was carried out in general accordance with WSP's standard operating procedures, which conform to the requirements of Ontario Regulation 153/04 (O. Reg. 153/04). The data from the Phase Two ESA investigation completed by WSP were incorporated into this Phase Two ESA report following the Phase Two ESA report format required by O. Reg. 153/04. As noted above, a separate Phase Two ESA report will be prepared for the RSC Property.

There were no impediments or access limitations that in the opinion of the Qualified Person would affect the conclusions of this Phase Two ESA report.

4.2 Media Investigated

The Phase Two ESA included sampling and analysis of soil and groundwater. No sediment sampling was completed. Summaries of the sampling and analysis completed for soil and groundwater are provided in the sampling and analysis plan. The sampling and analysis plan outlines the rationale for the field investigation activities and the associated methodologies used to meet the objectives of the Phase Two ESA.

The Phase Two ESA included sampling and analysis of soil and groundwater. A 4 m long portion of the Sixth Concession Drain (and associated culvert) was present on the east-central portion of 2415 Cabana Road East.

At the issue date of this report, no details on changes to the open drain portion on-site has been determined. WSP can assess any additional sampling requirements (for disposal or reuse) once it is determined if the open drain portion will be enclosed/re-developed.

Summaries of the sampling and analysis completed for soil and groundwater are provided in the sampling and analysis plan. The sampling and analysis plan outlines the rationale for the field investigation activities and the associated methodologies used to meet the objectives of the Phase Two ESA.

4.3 Phase One Conceptual Site Model

The rationale for the development of the Phase One Conceptual Site Model (CSM) is provided in the Phase One ESA report.

4.4 Deviations from Sampling and Analysis Plan

A sampling and analysis plan is provided in Appendix B. The sampling and analysis plan outlines the rationale for the field investigation activities carried out at the Site and the associated methodologies used to meet the objectives of this Phase Two ESA. This plan dated January 31, 2025 covers the activities undertaken during the Phase Two ESA. The deviations from the sampling and analysis plan are described below:

- Two additional boreholes (BH26 and BH27 drilled to 10 feet) were drilled within APEC-1 in an attempt to delineate soil with gasoline-like staining and odours noted during the drilling field work.
- DUPS-1 (the duplicate of soil sample MW11 SA1) was submitted for laboratory analysis of M&I and PAHs instead of the original sample. WSP is using the analytical results of DUPS-1 in place of the original sample as a means to satisfy the sampling requirements.
- DUPS-3 (the duplicate of soil sample MW3 SA3) was submitted for laboratory analysis of PAHs instead of the original sample. WSP is using the analytical results of DUPS-3 in place of the original sample as a means to satisfy the sampling requirements.
- Thirty-eight additional soil samples were submitted for laboratory analysis to further delineate the vertical and horizontal impacts as well as an attempt to average away impacts.

4.5 Impediments

No physical impediments to the Phase Two ESA investigation were encountered. Access to the Phase Two Property was not denied or restricted.

5.0 INVESTIGATION METHOD

5.1 General

The following sections describe the field investigation methodology employed during the Phase Two ESA. The field work was conducted between January 30, 2025 and March 20, 2025.

Prior to initiating the field work, WSP developed and implemented Site-specific protocols to protect the health and safety of its employees and subcontractors through the preparation of a Site-specific Health and Safety Plan. An assessment of potential health and safety hazards at the Phase Two Property and those associated with the proposed work was completed each day of the field program. A health and safety tail gate meeting was held with WSP's subcontractors each day prior to completion of the field work. The document was reviewed and signed on-

Site by field personnel prior to commencing work. Additionally, prior to any intrusive investigations, including drilling, WSP completed public and private utility clearances.

5.2 Drilling

On February 3, 4, and 5, 2025, twenty-seven boreholes (MW1 to MW13 and BH14 to BH27) were advanced to depths of 1.5 to 6.1 metres below ground surface (mbgs). Borehole locations are provided in Figure 5. A description of the quality assurance/quality control measures taken to minimize the potential for cross-contamination between sampling locations is provided in Section 5.12.

Boreholes were advanced by Direct Environmental Drilling (DED) of London, Ontario using a track-mounted Geoprobe 7822DT drill rig.

Continuous soil samples were collected using the following method:

- Dual-tube sampler: 1.5 m long, 82-millimetre (mm) diameter disposable polyvinyl chloride liner inside an OD direct push rod.
- Macro core sampler: 1.5 m long, 55 mm diameter disposable polyvinyl chloride liner inside an OD direct push rod.

5.3 Soil: Sampling

Soil samples were collected from undisturbed locations and split in the field into two components. One component was placed into laboratory-prepared container with minimal headspace and stored in a cooler for potential laboratory analysis. The second component was placed inside a plastic bag for field screening, consisting of the soil description, and noting the presence of any staining, odour and/or debris. An RKI Eagle 2 combined combustible vapour analyzer and photoionization detector calibrated to known hexane and isobutylene standards was used to determine the combustible organic vapour (COV) and total organic vapour (TOV) concentrations in the headspace in the sealed plastic bag.

As per the sampling and analysis plan (Appendix B) at least one soil sample was submitted from each test location. Where the results of field screening indicated the presence of potentially impacted soil, an additional soil sample at greater depth was submitted for laboratory analysis to vertically delineate impacts.

One soil sample representing “worst-case” conditions at each sampling location was selected for laboratory analysis based on the field headspace screening measurements, visual observations (e.g., staining, discoloration and/or free product, if any), and olfactory observations (if any). Soil samples were submitted to the analytical laboratory under chain of custody procedures. A summary of the soil samples submitted for analysis is provided in Tables 5 through 7.

Geologic descriptions, visual and olfactory observations, and results of field headspace measurements are presented on the field logs (Appendix C).

5.3.1 Stockpile Sampling

On February 27, 2025, WSP field staff soil samples were taken from the stockpiles along the eastern portion of 2415 Cabana Road East in order to characterize the stockpiled materials. A description of the soil samples collected from the stockpiles are shown in the table below,

Sample ID	Easting (m)	Northing (m)	Soil Description	COV (ppm)
S-SA1	337917	4680742	Mixed fill – topsoil, silty clay, trace debris	0
S-SA2	337915	4680733	Mixed fill – topsoil, brown silty clay with gravel	0
S-SA3	337928	4680719	Brown silty clay fill, trace gravel	0

5.4 Field Screening Measurements

Field measurements of sample headspace concentration were made using the following equipment:

Equipment	Parameters Detected	Detection Limit	Precision	Accuracy	Calibration Standard
RKI Eagle 2	Combustible gas	0-50,000 ppm	NA	±5%	Hexane (100 ppm)
RKI Eagle 2	Total organic vapour	0-2,000 ppm	NA	±5%	Isobutylene (100 ppm)

Instruments were calibrated before use with daily calibration checks.

One soil sample representing “worst-case” conditions at each sampling location was selected for laboratory analysis based on the soil headspace screening measurements, visual observations (e.g., staining, discoloration and/or free product, if any), and olfactory observations (if any). The results of soil headspace screening measurements are provided in the field logs in Appendix C.

5.5 Groundwater: Monitoring Well Installation

Groundwater monitoring wells were installed by DED using threaded 32 mm diameter, schedule 40, polyvinyl chloride well screens and riser pipe. The annular space was filled with silica filter sand to at least 0.3 m above the well screen. The monitoring well was sealed with bentonite from the top of the sand pack and completed with either a flush mount or stick-up protective well casing set in concrete. The riser pipes were sealed with a J-plug. A description of the quality assurance/quality control measures taken to minimize the potential for cross-contamination between sampling locations is provided in Section 5.12.

Following drilling, the monitoring wells were developed on February 21 and 25, 2025 as well as March 7, 2025, by removing up to three well volumes, using dedicated Waterra® pumps (tubing with foot valves). During monitoring well development, qualitative observations were made of water colour, clarity, and the presence or absence of any petroleum hydrocarbon sheen or odours.

5.6 Groundwater: Field Measurements for Water Quality Parameters

Groundwater indicator parameters including temperature, pH, conductivity, oxidation-reduction potential and dissolved oxygen were measured prior to sampling to ensure adequate well development and purging. A Horiba U-50 water quality meter was used to measure groundwater quality during monitoring well development and groundwater sampling. The instrument was calibrated using factory supplied solutions for electrical conductivity (1413 micro Siemens per centimetre (µS/cm)) and pH (4.01 pH and 7.01 pH) parameters. A summary of the monitoring well development details is provided in Table 2.

5.7 Groundwater: Sampling

Each monitoring well was purged prior to sample collection. During purging, qualitative observations were made of water clarity and the presence of petroleum hydrocarbon sheen or odour. Purging was completed by pumping at least three well volumes or, where the well was considered a “low-yield” monitoring well, by purging at least one half of the well volume. A summary of the sampling and analysis of groundwater is provided in Table 3.

Groundwater samples were placed in laboratory-prepared containers and stored in a cooler until delivery to the analytical laboratory under chain of custody procedures. A summary of the groundwater samples submitted for analysis is presented in Table 3.

5.8 Sediment: Sampling

No sediment samples were collected as part of this investigation.

5.9 Analytical Testing

All soil chemical analyses were conducted by Paracel Laboratories of Ottawa and Hamilton, Ontario. All groundwater chemical analyses were conducted by ALS Environmental of Waterloo, Ontario.

The analytical laboratories are accredited in accordance with the International Standard ISO/IEC 17025 (General Requirement for the Competence of Testing and Calibration Laboratories, May 5, 2005, as amended) and the standards for proficiency testing developed by the Standards Council of Canada, the Canadian Association for Laboratory Accreditation or another accreditation body accepted by the MECP.

5.10 Residue Management Procedures

All residues produced during the investigation (e.g., soil cuttings from drilling, groundwater from well development purging, wash water from equipment decontamination) were placed in sealed drums and stored at the Phase Two Property for disposal by the owner.

5.11 Elevation Surveying

Geodetic elevations and GPS coordinates were obtained using a Trimble DA2 and reported in the Canada CGG2013 (NAD83) global coordinate system.

5.12 Quality Assurance and Quality Control Measures

WSP's quality assurance program for environmental investigations was implemented to ensure that analytical data obtained by the investigation were valid and representative. The quality assurance program included the following measures:

- The use of standard operating procedures for all field investigation activities.
- All monitoring wells were developed following installation to remove fine particles from the filter pack and any fluids introduced during drilling.
- Monitoring wells were appropriately purged prior to groundwater sample collection to remove stagnant water from the well bore and improve sample representativeness, minimizing sample agitation and aeration to the extent practicable.
- The collection of field duplicate samples at a minimum frequency of one duplicate for every ten samples.

- The collection of at least one trip blank for sampling events that include the analysis of volatile compounds (e.g. PHC F1, trihalomethanes, VOCs, BTEX) in groundwater.
- Daily checks of calibration were completed for field equipment using a standard of known concentration.
- Soil and groundwater samples were handled and stored in accordance with the sample collection and preservation requirement of the MECP “*Protocol for Analytical Methods Used in the Assessment of Properties Under Part XV.I of the Environmental Protection Act and Excess Soil Quality*”, July 1, 2011 (as amended February 19, 2021). Samples were collected directly into pre-cleaned, laboratory-supplied sample containers with the appropriate preservative for the analyte group. Upon collection, samples were placed in insulated coolers with ice for storage and transport to the analytical laboratory under chain of custody protocols.
- Dedicated sampling equipment (tubing and foot valves) and clean disposable Nitrile™ gloves were used at each sampling location to prevent cross-contamination. All non-dedicated sampling equipment (e.g., water level meters, split spoons) was decontaminated between sampling locations. Sampling equipment in contact with soil, groundwater, or sediment was: cleaned by mechanical means; washed with a phosphate-free, laboratory-grade detergent and, if necessary, an appropriate desorbing wash solution; and thoroughly rinsed with analyte-free water.
- Detailed field records documenting the methods and circumstances of collection for each field sample were prepared at the time of sample collection. Each sample was assigned a unique sample identification number recorded in the field notes, along with the date and time of sample collection, the sample matrix, and the requested analyses.
- The submission of samples to the analytical laboratory in accordance with standard chain of custody procedures.

Below is a summary of the primary and duplicate samples.

Date	Media	Primary Sample ID	Duplicate Sample ID	Trip Blanks
February 3, 2025	Soil	MW11 SA1 MW13 SA1 BH23 SA2 MW10 SA3	DUPS-1 DUPS-3 DUPS-5 DUPS-6	NA
February 4, 2025	Soil	MW3 SA3	DUPS-7	NA
March 19, 2025	Groundwater	MW11 MW9	DUPW-WD1 DUPW-WD2	Trip Blank

6.0 REVIEW AND EVALUATION

This section of the report presents a review and evaluation of the results of the drilling, monitoring and sampling activities conducted as part of the Phase Two ESA.

6.1 Geology

The soil conditions encountered during the borehole drilling program are presented in the field logs (Appendix C). The following presents a summary of the subsurface soil conditions encountered during the investigation.

In general, the subsurface soil conditions encountered in the boreholes at each property were as follows:

- 4040 Walker Road: surficial topsoil overlying a brown silty clay fill followed by native mottled brown-grey to brown to grey silty clays at 1.2 mbgs
- 2375/2385 Cabana Road East: Surficial asphalt underlain by a crushed granular road base to 0.5 mbgs, followed in turn by a brown silty sand fill layer to 1.5 mbgs. Native silty clays were encountered below 1.5 mbgs. The fill layer had black staining and petroleum-like odours throughout.
- 0, 0, 2415 Cabana Road East: Surficial topsoil or crushed granular layers underlain by fill layers consisting of mixed sand, clay, and gravel, as well as black foundry sand fill layers to approximately 1.5 mbgs. The various fill layers were overlying the native silty clay layer. Foundry sand was present within the fill layer at thirteen of the eighteen boreholes drilled at these properties.

Based on the soil conditions encountered in the boreholes, the native silty clay is considered to be an unconfined aquifer.

6.2 Groundwater: Elevations and Flow Direction

The groundwater investigation included the sampling and analysis of groundwater in the unconfined aquifer. The monitoring well screens were installed at elevations ranging from 182.81 to 184.96 masl (4.50 to 6.97 mbgs). A summary of the monitoring well construction details are presented in Table 1.

Monitoring for water levels and free product was completed using an interface probe on February 21, March 7, as well as March 19, 2025. No evidence of petroleum hydrocarbon free product or sheen in groundwater was observed.

The groundwater elevations at each monitoring well are summarized in Table 1. Groundwater elevations in the unconfined aquifer ranged from 184.57 to 188.20 masl (1.29 to 4.93 mbgs) on February 21, 2025, from 184.43 to 188.82 masl (0.46 to 6.07 mbgs) on March 7, 2025, and from 184.61 to 188.50 masl (1.21 to 4.79 mbgs) on March 19, 2025. Based on the interpreted groundwater elevation contours presented in Figure 6, the inferred direction of groundwater flow in the unconfined aquifer is to the north along the northern portion of the Site and to the south along the southern portion of the Site.

Well ID and Relevant APEC	Top of Well Screen (masl)	Bottom of Well Screen (masl)	Water Level March 19, 2025 (masl)	Comment
MW1 (APEC 1, 2, 3, 7)	186.14	183.09	184.61	Screen straddles the water table
MW2 (APEC 1, 2, 3)	187.75	184.70	186.93	Screen straddles the water table
MW3 (APEC 1, 2, 3)	186.09	183.04	184.84	Screen straddles the water table
MW4 (APEC 1, 2, 7)	185.86	182.81	187.54	Screen is submerged by 1.68 m
MW5 (APEC 1, 2, 4, 8)	186.24	183.19	186.86	Screen is submerged by 0.62 m

Well ID and Relevant APEC	Top of Well Screen (masl)	Bottom of Well Screen (masl)	Water Level March 19, 2025 (masl)	Comment
MW6 (APEC 1, 2, 4, 8)	185.99	182.94	185.70	Screen straddles the water table
MW7 (APEC 1, 2, 4, 8, 9)	186.05	183.00	186.73	Screen is submerged by 0.68 m
MW8 (APEC 1, 2, 4, 5)	186.06	183.01	186.30	Screen is submerged by 0.24 m
MW9 (APEC 1, 2, 4)	188.01	184.96	188.50	Screen is submerged by 0.49 m
MW10 (APEC 1, 2, 4, 9)	187.46	184.41	188.28	Screen is submerged by 0.81 m
MW11 (APEC 1, 2, 4, 9)	186.89	183.84	187.44	Screen is submerged by 0.13 m
MW12 (APEC 1, 2)	185.96	182.91	184.97	Screen straddles the water table
MW13 (APEC 1, 2, 9)	185.88	182.83	186.22	Screen is submerged by 0.34 m

During monitoring well installation, the screen was installed to straddle the inferred groundwater table; however as noted in the table above, the screen was positioned below the water level at eight monitoring wells: MW4, MW5, MW7, MW8, MW9, MW10, MW11, and MW13.

Any temporary fluctuation in water levels on the Phase Two Property is not anticipated to affect the conclusions of the Phase Two ESA. Seasonal fluctuation in water levels should be expected. Given the limited number of monitoring events, seasonal trends could not be identified; however shallow groundwater water levels are typically highest following the spring recharge and decline throughout the summer and fall months into the winter.

Underground utility drawings available for the Phase Two Property indicated a network of storm sewer catch basins at the Site as well as a multitude of utilities adjacent to Cabana Road East and Walker Road. The presence of subsurface utilities and structures at the Site are not expected to act as preferential pathways promoting the migration of COCs as the water table is not inferred to intercept buried utilities and subsurface structures at the Phase Two Property and no COPCs are present in groundwater exceeding the applicable site condition standards.

6.3 Groundwater: Hydraulic Gradients

The horizontal hydraulic gradient in the unconfined aquifer was 0.00080 m/m (average of gradients) from west to east. The horizontal hydraulic gradient in the unconfined aquifer ranged from 0.01164 m/m (from south to north along the western portion of the Phase Two Property) to 0.003505 m/m (average of gradients along the central and eastern portions of the Phase Two Property from north to south). Variability in the hydraulic gradient may be related to the presence of fill and underground utilities throughout the Phase Two Property.

Vertical hydraulic gradients were not determined since the reported concentrations of all COPCs in groundwater met the applicable site condition standards.

6.4 Fine-Medium Soil Texture and pH

Two soil samples (MW1 SA4 and BH18 SA3) were submitted to Paracel for grain size analyses. The grain size results are presented in Appendix D. Based on field observations, borehole stratigraphy, and the sieve analyses

results, greater than two-thirds of the soil is considered to be medium-fine textured and as such the medium-fine textured site condition standards are applicable.

Forty-two soil samples were collected from surface and subsurface soil and submitted to Paracel for pH determination. The reported pH of all samples of surface soil meets the requirement that $5 \leq \text{pH} \leq 9$ and the reported pH of all samples of subsurface soil meets the requirement that $5 \leq \text{pH} \leq 11$, except for the following:

- MW7 SA1 (0-0.7 mbgs) had a pH of 10.33, greater than the surface soil pH requirements of 9. However, it should be noted that this sample contained fill with granular material, WSP believes this would not be considered an exceedance as limestone (granular) is naturally an alkaline-based material.
- The average pH of MW9 SA3, MW9 SA3b, and MW9 SA3c (1.6-2.2 mbgs) was 11.54, greater than the subsurface soil pH requirements of 11.
 - This elevated pH reading is inferred to be related to the former on-site concrete pipe manufacturing operation, located in proximity to the former building footprint.
- MW10 SA1 (0.3-0.9 mbgs) had a pH of 10.28, greater than the surface soil pH requirements of 9. It should be noted that crushed granular material was observed directly above this sample and may have been incorporated in this sample. WSP believes that the possible inclusion of limestone-based materials (crushed granular) may have affected the pH analysis and would therefore not consider this an exceedance.
- BH21 SA2 (0.3-0.9 mbgs) had a pH of 10.23, greater than the surface soil pH requirements of 9. After a revision from Paracel, it was determined that BH21 SA2-Rev had a confirmed pH of 9.84, still greater than the surface soil pH requirements of 9. It should be noted that this sample was of limestone-based crushed granular, and WSP believes this would not be considered an exceedance as limestone (granular) is naturally an alkaline-based material.
- BH27 SA2 (0.9-1.5 mbgs) had a pH of 10.13, greater than the surface soil pH requirements of 9. However, it should be noted that this sample contained fine crushed granular material, WSP believes this would not be considered an exceedance as limestone (granular) is naturally an alkaline-based material.

6.5 Soil: Field Screening

The results of headspace vapour measurements are presented on the field logs in Appendix C. Combustible gas vapour ranged from 0 to 55 ppm (highest reading at MW2 between 3.0 and 3.8 mbgs) and organic vapour measurements ranged from 0 to 86 ppm (highest reading at BH15 between 1.5 and 2.1 mbgs).

During the field sampling at 2375 Cabana Road East, petroleum-like odours and/or black staining were noted at MW1, MW2, BH14, BH15, BH26 and BH27. WSP submitted soil samples for laboratory analysis from the soil layers at these boreholes with petroleum-like odours and/or black staining.

6.6 Soil: Quality

A list of soil samples submitted for laboratory analysis and the analytical results for soil samples are summarized in Tables 5 to 7. Certificates of analysis are provided in Appendix D.

6.6.1 Exemptions

Molybdenum

Molybdenum exceedances in soil were identified at three sample locations: DUPS-1 (of MW11 SA1, exceeding Table 9 SCS), BH27 SA2 (exceeding Table 3 SCS RPI) and S-SA3 (exceeding Table 9 SCS).

Exceedances of molybdenum in soil within Essex County have been identified to be naturally occurring and are the result of high molybdenum concentrations in regional bedrock formations that has been eroded, reworked, and deposited during the geologic past as a result of glacial action (MECP discussions and Golder Associated Ltd. April 2010). As such, soils containing molybdenum concentrations above Table 1 SCS likely are associated with background concentrations and not actual contamination. The MECP agreed with this rationale for a Record of Site Condition (RSC) filing for a property in Essex County with molybdenum concentrations above SCS. Therefore, molybdenum concentrations reported in the analytical tables are not considered to be a contaminant of concern at the Site.

Averaging

O.Reg. 153/04 Section 48(2) states that where if two (or more) soil samples are collected within a 2 m radius (same sampling location and depth), the average of the sampling results can be compared to the SCS. WSP utilized O.Reg 153/04 Section 48(2) to average the following:

- Benzene at MW2 SA3, MW2 SA3b, and MW2 SA3c.
- PHC F3 at BH27 SA2, BH27 SA2b, and BH27 SA2c.
- Boron HWS at MW1 SA2, MW1 SA2b, and MW1 SA2c.
- Boron HWS at BH14 SA2, BH14 SA2b, and BH14 SA2c.
- Lead at BH17 SA2, BH17 SA2b, and BH17 SA2c.
- Barium and selenium at BH23 SA1, BH23 SA1b, and BH23 SA1c.
- Arsenic, total chromium, lead, and nickel at BH27 SA2, BH27 SA2b, and BH27 SA2c.

EC

Concentrations of EC were identified in surface soil samples at eight sample locations across the Phase Two Property, as follows,

- The reported concentration of EC in soil samples MW8 SA1, MW9 SA3 (as well as MW9 SA3b and MW9 SA3c), MW10 SA1, BH21 SA2, and BH27 SA2 were above the Table 3 RPI SCS and Table 9 standard of 700 uS/cm and/or the Table 3 ICC SCS standard of 1,400 uS/cm (where applicable).

O. Reg. 153/04 Section 49.1 states that there is an exemption for a de-icing substance has been applied to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. As per Section 49.1, the EC impacts related to de-icing activities would be exempt and therefore are not considered to be exceedances of the Table 3 standard.

This exemption would apply to all soil samples except for MW9 SA3 (as well as MW9 SA3b and MW9 SA3c).

6.6.2 Soil Results

6.6.2.1 Table 3 RPI

Table 3 RPI applies to the following sampling locations: MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27.

The reported concentrations of all COPCs in soil met the applicable site condition standards, with the following exceptions,

- Benzo[a]pyrene at BH14 SA2 (as well as BH14 SA2c).
- EC and pH at MW9 SA3 (as well as MW9 SA3b and MW9 SA3c).

6.6.2.2 Table 3 ICC

Table 3 ICC applies to the following sampling locations: MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2.

The reported concentrations of all COPCs in soil met the applicable site condition standards, with the following exception:

- Benzo[a]pyrene, boron HWS, and lead at stockpile sample S-SA1.

6.6.2.3 Table 9 RPIICC

Table 9 RPIICC applies to the following sampling locations: MW11 and stockpile sample S-SA3 just north of MW11.

The reported concentrations of all COPCs in soil met the applicable site condition standards, with the following exceptions,

- Trichloroethylene (TCE) and xylenes at MW11 SA1 and its duplicate sample DUPS-1. The underlying sample MW11 SA2 was below Table 9 RPIICC for TCE and xylenes (providing vertical delineation at 1 m).

6.7 Groundwater: Quality

Monitoring well construction details are summarized in Table 1 and a list of groundwater samples submitted for laboratory analysis is provided in Table 3. The analytical results for groundwater samples are summarized in Tables 8 to 11. Certificates of analysis are provided in Appendix D.

In addition to the numerical standards, the MECP sets out aesthetic standards relating to the presence of petroleum hydrocarbon product. Specifically, a property does not meet the site condition standards if there is evidence of free product, including but not limited to, visible petroleum hydrocarbon film or sheen present on groundwater, surface water or in any groundwater or surface water samples. Monitoring for free phase product was conducted during groundwater sample collection. No evidence of free product or sheen in groundwater was observed.

6.8 Sediment: Quality

Sampling and analysis of sediment was not completed as part of the Phase Two investigation. At construction stage, if realignment and/or construction occur at the open drain, then sediment sampling may be required to determine potential on-site or off-site beneficial reuse options.

6.9 Data Quality Review

The quality assurance assessment of the field duplicate sample results was conducted according to the MECP document "*Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act and Excess Soil Quality*", March 9, 2004 (amended February 19, 2021) ("Analytical Protocol"). The relative percent difference (RPD) for the duplicate sample sets are within the acceptable control limits.

Based on this review, the analytical data generated during the investigation are valid and may be used in this Phase Two ESA without further qualification

All certificates of analysis or analytical reports received pursuant to clause 47(2)(b) of O. Reg. 153/04 comply with subsection 47(3). A certificate of analysis or analytical report has been received for each sample submitted for analysis and is provided in Appendix D.

7.0 CONCLUSIONS

The Phase Two ESA investigated the nine APECs identified in the 2025 Phase One ESA.

Based on the results of the soil and groundwater samples submitted as part of this Phase Two ESA, the reported concentrations of the contaminants of potential concern were below the applicable site condition standards with exception to the areas outlined around BH14, MW9, MW11, and the stockpile where S-SA1 was taken where various contaminants in soil was identified. No groundwater impacts were identified above Table 9 SCS, Table 3 SCS (for RPI and ICC).

Soil contamination at MW9 and BH14 (within the RSC property, as identified on Figure 5) were remediated as outlined under a separate cover for the RSC property (dated October 3, 2025).

Soil contamination was reported within the stockpile in which soil sample S-SA1 was taken at 2415 Cabana Road East. As S-SA1 exceeded Table 3 ICC for benzo[a]pyrene, boron HWS, and lead, the entirety of the stockpile will require disposal at a licensed landfill facility at the time of construction. Confirmatory soil sampling should be completed during construction to confirm the removal of the Table 3 ICC impacted soil.

The soil contamination at MW11 (above Table 9 RPIICC) is located within the non-RSC Property and addressed within this report. Soil contamination of TCE and xylenes identified at MW11 SA1 (0.3-1.0 m) was of clay with sand fill material and delineated by SA2 (1.0-1.5 m) within sandy clay. To address soil contamination at MW11 SA1 (0.3-1.0 m), WSP recommends excavating soil around MW11 and placing the fill material at a greater distance than 30 m from the Sixth Concession Drain (at the time of construction), as it meets Table 3 ICC. Confirmatory soil sampling should be completed during construction to confirm the removal of Table 9 RPIICC impacted shallow fill.

8.0 REFERENCES

WSP Canada Inc. Phase One Environmental Site Assessment, Walker-Cabana Development, Windsor, Ontario, October 1, 2025

Quaternary Geology of Ontario, Southern Sheet. Map 2556. Ontario Ministry of Development and Mines dated 1991 (Map No. 2556, Quaternary Geology of Ontario, Southern Sheet, 1991).

Bedrock Geology of Ontario, Southern Sheet. Map 2544. Ontario Ministry of Development and Mines dated 1991 (Map No. 2544, Bedrock Geology of Ontario, Southern Sheet, 1991).

Ministry of the Environment; (2011a). Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Environmental Protection Act, April 15, 2011.

Ministry of the Environment; (2011b). Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04, June 2011.

Ministry of the Environment; (2011c). Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004 as amended July 1, 2011.

9.0 LIMITATIONS

This report was prepared for the exclusive use of 391568 Ontario Inc. The report, which specifically includes all tables, figures and appendices, is based on data and information, collected during conducting the Phase Two ESA, and is based solely on the conditions of the property at the time of conducting investigations, supplemented by historical information and data obtained by WSP Canada Inc. as described in this report.

The assessment of environmental conditions at this Site has been made using the results of field screening techniques and chemical analysis of soil and groundwater samples at a limited number of locations. The Site conditions between sampling locations have been inferred based on conditions observed at the sampling locations. Conditions may vary from these sample locations. Additional study, including further investigation, can reduce the inherent uncertainties associated with this type of study. However, it is never possible, even with exhaustive sampling and testing, to dismiss the possibility that part of a Site may be contaminated and remain undetected. Borehole logs should not be used for geotechnical purposes, except as directed by a geotechnical engineer.

The services performed as described in this report were conducted in a manner consistent with that level of care and skill normally exercised by other members of the engineering and science professions currently practicing under similar conditions, subject to the time limits and financial and physical constraints applicable to the services.

Any use which a third party makes of this report, or any reliance on, or decisions to be made based on it, are the responsibilities of such third parties. WSP Canada Inc. accepts no responsibility for damages, if any, suffered by any third party (other than as noted above) as a result of decisions made or actions based on this report.

The content of this report is based on information collected during the drilling, soil and groundwater sampling activities, our present understanding of the Site conditions, and our professional judgement in light of such information at the time of this report. This report provides a professional opinion and therefore no warranty is expressed, implied, or made as to the conclusions, advice and recommendations offered in this report. This report does not provide a legal opinion regarding compliance with applicable laws. With respect to regulatory compliance issues, it should be noted that regulatory statutes and the interpretation of regulatory statutes are subject to change.

The findings and conclusions of this report are valid only as of the date of this report. If new information is discovered in future work, including excavations, borings or other studies, WSP Canada Inc. should be requested to re-evaluate the conclusions of this report, and to provide amendments as required.

The monitoring wells installed as part of this project have been constructed using licensed drilling/well contractors employing licensed well technicians. It is owner's responsibility to have a licensed well technician properly abandon all monitoring wells, if required.

10.0 SIGNATURES

We trust that you will find the contents of this report satisfactory for your current needs. Should you require clarification of the information provided, please do not hesitate to contact the undersigned.

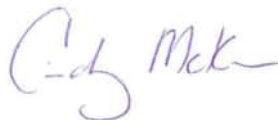
Signature Page

The objectives and requirements set out in O.Reg. 153/04 for a Phase Two Environmental Site Assessment were applied in carrying out the environmental site assessment and preparing this report.

WSP Canada Inc.



Derek Saliba, B.Sc.
Environmental Scientist



Cindy McKee, P.Geo., QP_{ESA}
Principal Environmental Geoscientist

DS/CM

[https://wsponlinecan.sharepoint.com/sites/ca-ca0046126.8978/shared documents/05. technical/phase two esa/report-entire site/ca0046126.8978 - phase two esa \(walker-cabana\) - 2oct25.docx](https://wsponlinecan.sharepoint.com/sites/ca-ca0046126.8978/shared%20documents/05.%20technical/phase%20esa/report-entire%20site/ca0046126.8978%20-%20phase%20esa%20(walker-cabana)%20-%2020oct25.docx)

APPENDIX A

Plan of Survey

"IMPERIAL"

Distances & Coordinates
shown on this plan
are in Feet and can be
converted to Metres by
multiplying by 0.3048



PLAN OF SURVEY (to be read in conjunction with Report Summary)

INTEGRATION DATA

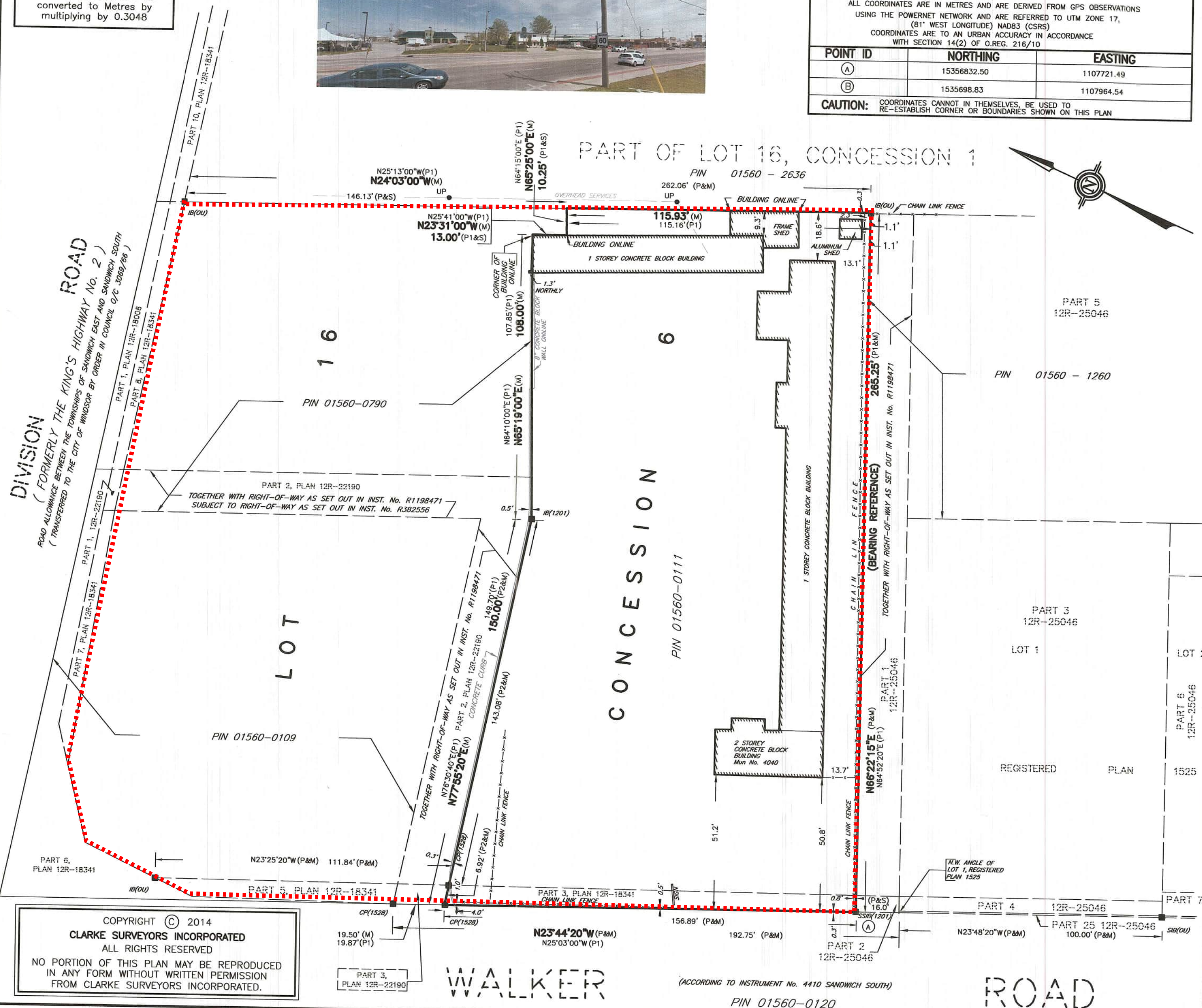
ALL COORDINATES ARE IN METRES AND ARE DERIVED FROM GPS OBSERVATIONS
USING THE POWERNET NETWORK AND ARE REFERRED TO UTM ZONE 17,
(81° WEST LONGITUDE) NAD83 (CSRS)
COORDINATES ARE TO AN URBAN ACCURACY IN ACCORDANCE
WITH SECTION 14(2) OF O. REG. 216/10

POINT ID	NORTHING	EASTING
(A)	15356832.50	1107721.49
(B)	1535698.83	1107964.54

CAUTION: COORDINATES CANNOT IN THEMSELVES, BE USED TO
RE-ESTABLISH CORNER OR BOUNDARIES SHOWN ON THIS PLAN

PART OF LOT 16, CONCESSION 1

DIVISION
(FORMERLY THE KING'S HIGHWAY No. 2)
ROAD ALLOWANCE BETWEEN THE TOWNSHIPS OF SANDWICH EAST AND SANDWICH SOUTH
(TRANSFERRED TO THE CITY OF WINDSOR BY ORDER IN COUNCIL O/C 3069/86)



SURVEYOR'S REAL PROPERTY REPORT OF PART OF LOT 16 CONCESSION 6

BEING IN THE GEOGRAPHICAL TOWNSHIP OF SANDWICH EAST, NOW IN THE
CITY OF WINDSOR
COUNTY OF ESSEX, ONTARIO

SCALE : 1" = 30'

0 5' 10' 15' 30' 60' 90' 120' FEET

CLARKE SURVEYORS INCORPORATED - 2014 ©

MUNICIPAL ADDRESS KNOWN AS
4040 WALKER ROAD

REPORT SUMMARY (to be read in conjunction with Plan of Survey)

REGISTERED EASEMENTS AND/OR RIGHTS-OF-WAY:
TOGETHER WITH RIGHT-OF-WAY AS SET OUT IN
INSTRUMENT NUMBER R1198471

ADDITIONAL REMARKS:

- 1) BUILDING TIES TAKEN TO CONCRETE BLOCK
- 2) FENCES DO NOT FOLLOW THE NORTHERN, SOUTHERN & WESTERN LIMITS
- 3) OVERHEAD SERVICES CROSSES THE EASTERN LIMITS
- 4) BUILDING CROSSES THE NORTHERN LIMIT
- 5) CONCRETE BLOCK WALL FOLLOWS THE NORTHERN LIMIT

NOTE

CLARKE SURVEYORS INCORPORATED grants LIGHTING BOUTIQUE INC. ["The Clients"], their solicitor
and other related parties permission to use "Original Copies" of the
Surveyor's Real Property Report in transactions involving "The Clients".

SURVEYOR'S CERTIFICATE

- I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT,
THE SURVEYORS ACT AND THE REGULATIONS MADE UNDER THEM.
 2. THE SURVEY WAS COMPLETED ON THE 15 DAY OF AUGUST, 2014.

AUGUST 15, 2014
DATE

[Signature]
ROSS A. CLARKE
ONTARIO LAND SURVEYOR
For: CLARKE SURVEYORS INCORPORATED

CAUTION: "Original copies" approved by this office
must bear the Ontario Land Surveyor's signature and seal.

BEARING REFERENCE

BEARINGS ARE UTM GRID, DERIVED FROM SIMULTANEOUS GPS, OBSERVATION ON MONUMENTS
(A) & (B) SHOWN HEREON HAVING A GRID BEARING OF N66°22'15"E, NAD83 (CSRS) AND ARE
REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81° WEST LONGITUDE)

DISTANCE NOTE

DISTANCE ON THIS PLAN ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING
BY THE COMBINED SCALE FACTOR OF 0.99969945

LEGEND

- | | | | |
|------|---|-------|---|
| □ | DENOTES SURVEY MONUMENT SET AND MARKED 1201 | (NTS) | DENOTES NOT TO SCALE |
| ■ | DENOTES SURVEY MONUMENT FOUND | (S) | DENOTES PERPENDICULAR DISTANCE |
| SIB | DENOTES STANDARD IRON BAR | (M) | DENOTES MEASURED |
| SSIB | DENOTES SHORT STANDARD IRON BAR | WIT. | DENOTES WITNESS MONUMENT |
| IB | DENOTES IRON BAR | (S/P) | DENOTES SET BY PROPORTION |
| RIB | DENOTES ROUND IRON BAR | (P) | DENOTES PLAN 12R-25046 |
| CC | DENOTES CUT CROSS | (P1) | DENOTES PLAN KOESTER & VERHAEGEN LIMITED O.L.S. |
| FD | DENOTES SURVEY MONUMENT FOUND | (P1) | DENOTES PLAN KOESTER & VERHAEGEN LIMITED O.L.S. |
| (OU) | DENOTES ORIGIN UNKNOWN | (P2) | DENOTES PLAN 12R-22190 |

CAD DATE: 15/AUG/2014 7:56AM

CAD FILE: N:\2014DAT\35023-00\35023-00.DWG

**CLARKE
SURVEYORS
INCORPORATED**
www.clarkesurveyors.com
Established 1970

Ontario Land Surveyors
Consulting Surveyors
2535 Lesperance Road
Tecumseh, Ontario
N8N 2X1
Ph. (519) 258-4166
Fax (519) 735-2155
Toll Free 1-888-735-4166

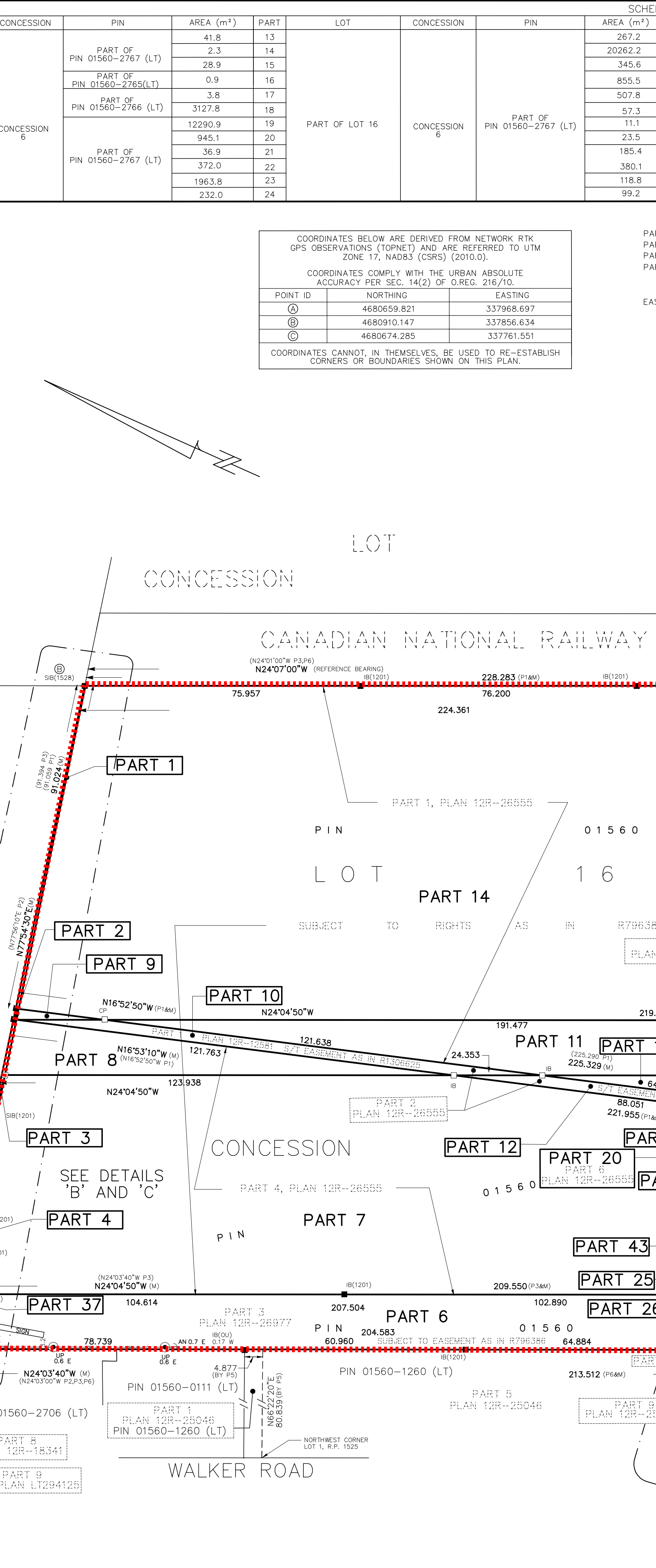
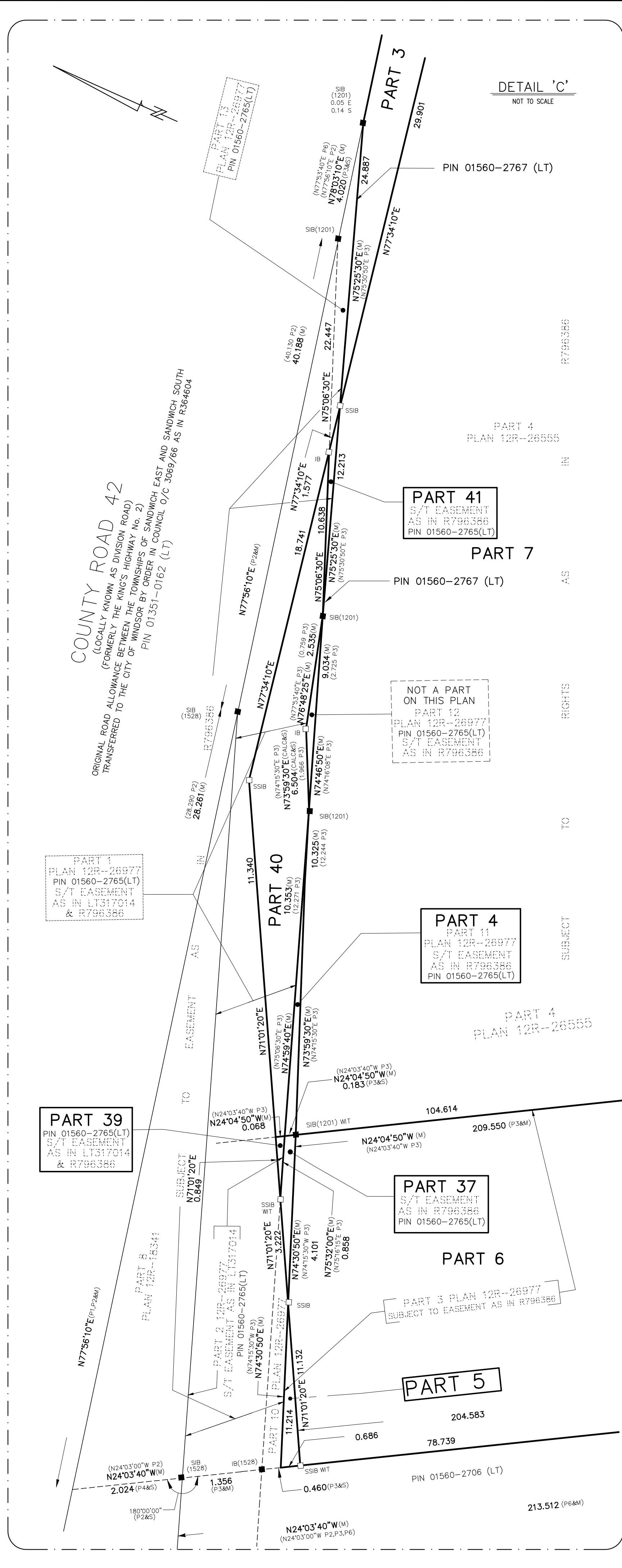
ASSOCIATE COMPANY
**MACKAY
MACKAY
& PETERS
LIMITED**
Established 1906
BURLINGTON AND HAMILTON
ONTARIO

DRAWN BY	SJP
CHECKED BY	KRB
JOB NO.	35023-00
FILE	L-WINDS-6-16
PLAN FILE	2014DAT1

COPYRIGHT © 2014

CLARKE SURVEYORS INCORPORATED
ALL RIGHTS RESERVED

NO PORTION OF THIS PLAN MAY BE REPRODUCED
IN ANY FORM WITHOUT WRITTEN PERMISSION
FROM CLARKE SURVEYORS INCORPORATED.



1. TO 3 (S) INCLUSIVE, PARTS 7 TO 24 (S) INCLUSIVE, PART 30, PARTS 31 TO 35 (S) INCLUSIVE AND PARTS 42 TO 47 (S) INCLUSIVE COMPRISE ALL OF PIN 01560-2767 (LT).
 5, 6, 25 TO 29 (S) INCLUSIVE AND 38, COMPRISE ALL OF PIN 01560-2766 (LT).
 36 COMPRISE PART OF PIN 01560-1495 (LT).
 4, 37, 39, 40, 41 COMPRISE PART OF PIN 01560-2765 (LT).

IDENT SUMMARY: PARTS 16, 20, 22, 26, 32, 34, 35, 42 & 43 ARE SUBJECT TO EASEMENT AS SET OUT IN R1306624
 PARTS 2, 9, 10, 12, 19, 20, 23, 27 & 44 ARE SUBJECT TO EASEMENT AS SET OUT IN R1306625
 PARTS 39, 40 ARE SUBJECT TO EASEMENT AS SET OUT IN L1370714
 PARTS 4, 5, 6, 25, 26, 37, 39, 40 & 41 ARE SUBJECT TO EASEMENT AS SET OUT IN R793636
 PART 16 IS SUBJECT TO EASEMENT AS SET OUT IN R254306
 PARTS 1 TO 3 (S) INCLUSIVE, 7 TO 24 (S) INCLUSIVE AND 30 TO 35 (S) INCLUSIVE ARE SUBJECT TO RIGHTS AS SET OUT IN C656346

PLAN OF SURVEY
 PART OF LOT

PLAN OF SURVEY OF
PART OF LOTS 15 & 16
CONCESSION 6
GEOGRAPHIC TOWNSHIP OF SANDWICH EAST
CITY OF WINDSOR
COUNTY OF ESSEX

SCALE 1 : 750 METRES

0 5 10 15 30 60

SURVEYORS ON SITE INC.

THE INTENDED PLOT SIZE OF THIS PLAN IS 1428mm IN WIDTH BY
610mm IN HEIGHT WHEN PLOTTED AT A SCALE OF 1:750.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 20th DAY OF JULY, 2023.

AUGUST 18, 2023

R. Wynn
ROB WYNNACK
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER V-53083.



SURVEYORS ON SITE INC.

3560 WALKER ROAD
WINDSOR, ONTARIO
N9W 3G4
519-818-0767
www.surveyorsonsite.com

DRAWN BY: SLP	CHECKED BY: RW	DATE: AUGUST 18, 2023	FILE: 2023-121
---------------	----------------	-----------------------	----------------

APPENDIX B

Sampling and Analysis Plan



TECHNICAL MEMORANDUM

DATE January 31, 2025

Project No. CA0046126.8978.2000

TO Field Staff
WSP Canada Inc.

CC

FROM Cindy McKee, QPESA

EMAIL cindy.mckee@wsp.com

PHASE TWO ESA SAMPLING & ANALYSIS PLAN – WALKER-DIVISION DEVELOPMENT, WINDSOR, ON

Objective

The objective of the Phase Two ESA is to assess soil and groundwater within the APECs identified by the Phase One ESA report for the Phase Two Property (Walker-Division Development property). The Phase Two Property is currently mixed use including a motel, a car wash, a commercial office building, and vacant lot, with four building structures present. The Phase Two Property is bound by Division Road (alternatively Cabana Road East) to the north, Walker Road to the west, a rail line to the east, and commercial properties to the south.

Our team for the project will include Cindy McKee (PM and QP_{ESA}) and Derek Saliba (field work, data management, reporting).

Site Access Requirements

Access Concern	Information
Site Contact	Andrea Sutton (519) 969-0152, andreap@mdirect.net
Access	Fully accessible
Hours of Work	No restrictions, typically 8 am to 6 pm
Site Check-in Procedure	WSP Check-in
Photography	No restrictions
On-Site Orientation or Training	No site orientation. WSP Health and Safety documentation required.

Health & Safety

- Review HaSEP with all staff including subcontractors present before commencing work on-Site.

- Complete/review a Field Level Hazard Assessment (FLHA) on-Site at the beginning of each day as part of the tailgate meeting with all staff including subcontractor present and as conditions change. Throughout the day, have safety briefings and discussion when switching tasks or moving to new locations or when new hazards are identified.
- Level D PPE is required for all work.

GENERAL REQUIREMENTS

- Follow standard operating procedures.
- Complete a Daily Log for every day of field work. Use standard field forms.
- Specifically ask the Site contact(s) for any drawings that may show underground utilities and record their response.
- Initial calibration of field equipment should be performed at the start of each field day, with a daily check of calibration using a standard of known concentration. Do a bump test for the Eagle 2 and the multi-meter at the end of each day.
- Clean disposable Nitrile™ gloves will be used at each sampling location to prevent cross-contamination.
- All non-dedicated sampling equipment (e.g., water level meters, split spoons) will be decontaminated between sampling locations. Sampling equipment in contact with soil, groundwater, or sediment will be: cleaned with a brush; washed with a laboratory-grade detergent solution (e.g., phosphate-free LiquiNox or AlcoNox) and thoroughly rinsed with analyte-free water.

Borehole Drilling And Monitoring Well Installation

- **To be completed during Field Days 1 to 3 (February 3 to 5, 2025).**
- **** Confirm that every drilling location has been cleared by the private locator. ****
- A detailed description of the drilling scope is provided in the driller work order. Drill boreholes as laid out on the Location Plan. All boreholes have been marked and the BH names printed beside them. Be sure to scout ahead of each location to determine the best route for the rig to traverse.
- The Geoprobe rig with dual tube sampling or macro core sampling will be used to conduct field logging and soil collection and monitoring well installation.
- Screen soil samples at 2.5-foot (maximum) intervals (depending on drilling rig used) using a photoionization detector RKI Eagle 2 calibrated to hexane and isobutylene. At each location, fill 1 methanol vial and one 250 mL jar for every 2.5 mbgs depending on soil conditions encountered.
- Collect QA/QC samples as indicated in Table 1. The duplicate soil samples should be labelled in a manner in which the laboratory cannot readily identify the sample as a duplicate.
- Collect additional soil samples if warranted by field observations.

Soil samples do not need to be submitted on at the end of each field day provided you keep them on ice during the day and/or refrigerate them overnight (i.e., keep them cold from collection to submission).

Table 1 Borehole Drilling and Soil Sampling Plan

APEC	Area of Concern	BH/Depth	BH ID	# Soil Samples	# GW Samples	Chemical Analyses
APEC 1	Fill of unknown quality. Soil stockpiles of unknown origins present along eastern boundaries of 2415 Division Road.	All on-site boreholes, sampling fill layer	All	45	n/a	Metals, VOCs, PHCs, PAHs, ORP, As, Sb, Se
APEC 2	Salting of parking lots and driving areas	n/a	n/a	n/a	n/a	n/a
APEC 3	2375 Division Road was historically a retail fuel outlet and contained seven USTs.	3 MW to 20 ft, 2 BH to 10 ft (into native)	MW1, MW1, MW3, BH14, BH15	8	3	BTEX, PHCs, PAHs, Metals, As, Sb, Se
APEC 4	2415 Division Road historically operated as a concrete pipe manufacturer and was an HWIN waste generator.	7 MW to 20 ft, 7 BHs to 10 ft (into native)	MW5 to MW11, BH17 to BH23	19	7	VOCs, PHCs, Metals, PAHs, OPR, pH, As, Sb, Se
APEC 5	2415 Division Road included fuel storage in 4 ASTs.	1 MW to 20 ft, 1 BH to 10 ft	MW8, BH18	2	1	BTEX, PHCs, PAHs, Metals, As, Sb, Se
APEC 6	6A – a 150 L diesel spill occurred at the southern end of the 2415 Division Road office building in 2020.	1 BH to 5 ft	BH19	2	n/a	BTEX, PHCs
	6A – a 150 L diesel spill occurred at the southern end of the 2415 Division Road office building in 2019.	2 BH to 5 ft	BH20, BH21	1	n/a	BTEX, PHCs
APEC 7	Retail fuel outlet at 2295 Division Road and former trucking terminal at 4055 Walker Road.	2 MW to 20 ft	MW1, MW4	n/a	2	VOCs, PHCs, Metals, As, Sb, Se
APEC 8	Historical retail fuel outlet at 2414 Division Road and former fuel tanks at industrial property 2450 Division Road.	3 MW to 20 ft	MW5 to MW7	n/a	3	BTEX, PHCs, Metals, As, Sb, Se
APEC 9	Chesapeake & Ohio Railway, east adjacent to 2145 Division Road and industrial operations, HWIN waste generators, automotive service, and metal fabrication along 7 th Concession Road	4 MW to 20 ft	MW7, MW10, MW11, MW13	n/a	4	VOCs, PHCs, Metals, PAHs, PCBs, As, Sb, Se
n/a	Stockpile on 2415 Division Road, part of APEC-1	Stockpile samples	40 m ³	3, based on volume	n/a	Metals, VOCs, PHCs, PAHs, ORP, As, Sb, Se
n/a	Additional BHs outside of APECs	1 MW to 20 ft, 2 BH to 10 ft	MW12, BH24, BH25	n/a	1	VOCs, PHCs, Metals, PAHs, PCBs, AS, Sb, Se

Notes:

* Reference to MECP comments are included in brackets.

** Collect QA/QC field duplicate samples (minimum of X samples, at near-surface and water table depths)

mbgs = metres below ground surface

M&I = as listed in O.Reg. 153/04 for all metals and inorganics including Metal hydrides (arsenic (As), antimony (Sb) and selenium (Se)), mercury (Hg), EC, SAR

PHC = petroleum hydrocarbons

BTEX = benzene, toluene, ethylbenzene and xylenes

VOCs = volatile organic compounds

PAHs = polycyclic aromatic hydrocarbons

PCBs = polychlorinated biphenyls

ORP = other regulated parameters

- For well installation, see Table 2 below. Wells are to be constructed of 1.25-inch inner diameter (ID) Schedule 40 polyvinyl chloride (PVC) casing and 2-inch ID Schedule 40 PVC well screens (3 m in length, #10 slot size); sand pack surrounding each screen will be #00N; each monitoring well will be completed at ground surface with a flush-mount protective casing set in concrete or above ground with a stick-up protective casing and sealed with a PVC j-plug. The depth provided in Table 2 is an estimated depth for well installation.
- Mark the reference point at the top of well pipe with a small notch. Install Waterra tubing, surge block (if needed) and footvalve in each new monitoring well.

Table 2 Monitoring well construction

Well ID	Depth of screen base	Screen length	Well diameter	Protective Casing Type
MW1 to MW13	6.1 m	3 m (10 ft) into native soil. Screen will depend on water table depth/field conditions. Screen / sand pack MUST start deeper than 3.1 mbgs, but does not need to straddle the water table.	3.2 cm (1.25-inch)	Flush mount or stick-up protective casing

MONITORING WELL DEVELOPMENT AND GROUNDWATER MONITORING

- **To be completed on following groundwater recharge (typically 2-3 weeks).**
- Develop each newly installed monitoring well (thirteen total) in accordance with our SOP.
- Before measuring the water levels, open the J-plugs to allow air in the casing to vent and the water level to stabilize.
- Collect a round of water level measurements using the water level meter. Use the "Static Water Level Field Form".
- Collect groundwater samples from newly installed monitoring wells (following at least 24 hours after well development) following SOP10 (Low Flow Sample Collection) using a peristaltic pump for the parameters in Table Allow the water level to stabilize in the monitoring well before starting measurement of field parameters.

- If drawdown in the well exceeds 0.3 metres during purging, then complete purging in accordance with the SOP9 procedure for low-yield monitoring wells.
- The multi-parameter meter should be initially calibrated by the equipment supplier and thereafter at the start of each day. Check calibration to known pH, conductivity, ORP and DO concentration at mid-day. If equipment is out of calibration (i.e., reading is off by more than 10%), call Cindy.
- If field parameters do not stabilize during low flow purging, do not purge longer than 30 minutes before collecting a groundwater sample.
- Samples are to be collected from all the locations listed in Table 3.
- Samples do not need to be submitted on the day of sampling provided you keep them on ice during the day and/or refrigerate them overnight (i.e., keep them cold from collection to submission).
- Collect quality assurance samples as indicated in Table 3. The duplicate groundwater samples should be labelled in a manner in which the laboratory cannot readily identify the sample as a duplicate.
- Please call PM if you see or suspect that there is product in any monitoring wells.
- Use the "Groundwater Sample Collection" form to collect all data during groundwater sampling.

Table 3 Groundwater Sampling Plan

Borehole ID	GW Parameters			
	VOC/PHCs	M&I	PAHs	PCBs
MW1	1	1	1	0
MW2	1	1	1	0
MW3	1	1	1	0
MW4	1	1	1	0
MW5	1	1	1	0
MW6	1	1	1	0
MW7	1	1	1	0
MW8	1	1	1	0
MW9	1	1	1	0
MW10	1	1	1	1
MW11	1	1	1	1
MW12	1	1	1	0
MW13	1	1	1	0
Subtotal	13	13	13	2
Duplicates	2	2	2	0
Total	15	15	15	2

Surveying

- **To be completed during one of the field days (either drilling, GW development or sampling, based on field staff preference). Benchmark will be known elevation of pre-existing monitoring well.**
- Conduct a level survey of ground surface and top of pipe, using a permanent and recoverable benchmark (e.g., top nut of fire hydrant, survey marker if present, edge of curb) at newly installed monitoring wells.
- Record lateral measurements of newly installed monitoring wells to permanent and recoverable features on site (e.g., building corners, existing monitoring wells, etc.). Using a hand-held GPS, record coordinate locations of all wells.

Chain-Of-Custody

Chain-of-Custody Item	Information
Analytical Laboratory	Paracel Laboratories (soil), ALS (groundwater)
Generic Site Condition Standards	Table 3, residential/parkland/institutional, fine/medium textured Table 3, industrial/commercial/community, fine/medium textured Table 9, for use within 30 m of a water body
Include criteria on COA?	Yes
Use Record of Site Condition analytical procedures?	Yes
Turn-around Time	Regular
WSP Reporting Contact	Cindy.mckee@wsp.com, Derek.saliba@wsp.com
Project-Specific Quote Number (if applicable)	P110955CA001 (Paracel), P112898CA001 (ALS)
WSP Billing Contact	Cindy McKee
Is an EQuIS EDD Required?	No

Management Of Investigation Derived Waste

- Keep waste soil and water segregated into separate drums.
- Label drums for waste management purposes, include WSP, project number, date and drum contents (soil, purge water).
- Discuss best location to store drums with Site representative.
- Record inventory of waste containers in field notes.

Special Instructions

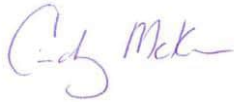
- Check in with PM at start and end of each day and following drilling of each borehole prior to well installation.
- Scan all field forms and borehole logs at end of each day.

Closure

Any deviations from the planned scope of work and the rationale for the deviation(s) are to be approved by Cindy McKee and are to be recorded in the field notes.

If you have any questions, please contact the undersigned.

WSP Canada Inc.



Cindy McKee
Principal Geoscientist

Tables

Notes on Soil and Sediment Analytical Summary Tables

All Units in Micrograms per Gram (µg/g) Except Where Indicated Otherwise.

RDL = Laboratory Analytical Reporting Detection Limit.

RL = MOE 2011 Analytical Protocol Reporting Limit.

- = Not Analyzed or No Published Value.

DUP = Quality Assurance / Quality Control Duplicate Sample.

RPD = Relative Percent Difference (Between Primary and Duplicate Samples).

* Denotes RPD Exceeds Recommended Alert Criterion Exceeded, However, Parameter Concentration Less than 5 Times Laboratory RDL.

RPDs (soil) = 50% (PHCs, VOCs, PAHs) and 35% (metals and inorganics)

< = Less Than Laboratory Analytical Reporting Detection Limit.

(a) F1 Fraction Does Not Include BTEX; However, the Proponent has the Choice as to Whether or not to Subtract BTEX from the Analytical Result.

(d) The Methyl naphthalene Standards are Applicable to Both 1-Methyl Naphthalene and 2-Methyl Naphthalene, with the Provision that if Both are Detected the Sum of the Two Must not Exceed the Standard.

(g) MOECC Standard for Boron Based on Hot Water Extract.

(h) Analysis for Methyl Mercury is Required When the MOECC Standard for Mercury (total) is Exceeded.

55	Parameter Concentration May Exceed Applicable EPA Standard Due to Elevated Method Detection Limit.
87	Parameter Concentration Exceeds MECP Table 9 Generic Site Condition Standards for Us within 30 m of a Water Body in a Non-Potable Groundwater Condition.
183	Parameter Concentration Exceeds MECP Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for Residential/Parkland/Institutional (R/P/I) Property Use (fine grained).
273	Parameter Concentration Exceeds MECP Table 3 Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition for Industrial/Commercial/Community (I/C/C) Property Use (fine grained).

Notes on Groundwater and Surface Water Analytical Summary Tables

All Units in Micrograms per Litre (µg/L) Except Where Indicated Otherwise.

RDL = Laboratory Analytical Reporting Detection Limit.

RL = MOE 2011 Analytical Protocol Reporting Limit.

- = Not Analyzed or No Published Value.

RPDs (ground water) = 40% (PHCs, VOCs, PAHs) and 25% (metals and inorganics)

< = Less Than Laboratory Analytical Reporting Detection Limit.

55	Parameter Concentration May Exceed Applicable MOECC Standard Due to Elevated Method Detection Limit.
87	Parameter Concentration Exceeds MOECC Standard for Non-Potable Groundwater Use within 30 m of a Water Body (Table 9).
183	Parameter Concentration Exceeds MOECC Standard for Non-Potable Groundwater Use (Table 3).

Table 1
Well Construction Details & Water Levels

Well	UTM Coordinates		Top Of Pipe Elevation (geodetic datum)	Grade Elevation (Top of Casing) (geodetic datum)	Screen Interval				Top of Sandpack (m bgs)	21-Feb-25 ²		25-Feb-25		7-Mar-25		19-Mar-25	
	Northing	Easting			Top (m bgs)	Top (arbitrary datum)	Bottom (m bgs)	Bottom (arbitrary datum)		Water Level BTOP ¹ (m)	Corrected Water Elevation (arbitrary datum)	Water Level BTOP ¹ (m)	Corrected Water Elevation (arbitrary datum)	Water Level BTOP ¹ (m)	Corrected Water Elevation (arbitrary datum)	Water Level BTOP ¹ (m)	Corrected Water Elevation (arbitrary datum)
MW1	4680835.6	337606.5	189.047	189.133	2.99	186.14	6.04	183.09	2.69	4.48	184.57	4.15	184.90	4.62	184.43	4.44	184.61
MW2	4680848.5	337610.5	189.087	189.196	1.45	187.75	4.50	184.70	1.15	3.83	185.26	3.53	185.56	2.88	186.21	2.16	186.93
MW3	4680834.4	337614.3	189.002	189.083	2.99	186.09	6.04	183.04	2.69	4.39	184.61	2.37	186.63	4.39	184.61	4.16	184.84
MW4	4680797.3	337624.9	188.793	188.856	3.00	185.86	6.05	182.81	2.70	1.42	187.37	0.46	188.33	0.62	188.17	1.25	187.54
MW5	4680866.1	337690.2	189.124	189.216	2.98	186.24	6.03	183.19	2.68	4.43	184.69	1.67	187.45	3.50	185.62	2.26	186.86
MW6	4680880.8	337757.9	188.892	188.969	2.98	185.99	6.03	182.94	2.68	4.23	184.66	4.38	184.51	4.40	184.49	3.19	185.70
MW7	4680899.1	337846.1	189.782	189.951	3.90	186.05	6.95	183.00	3.60	2.63	187.15	5.40	184.38	4.09	185.69	3.05	186.73
MW8	4680848.8	337764.4	188.916	189.030	2.97	186.06	6.02	183.01	2.67	4.18	184.74	3.03	185.89	3.93	184.99	2.62	186.30
MW9	4680809.7	337735.2	190.224	190.377	2.37	188.01	5.42	184.96	2.07	2.02	188.20	N/A	N/A	1.40	188.82	1.72	188.50
MW10	4680803.6	337892.2	189.486	189.564	2.10	187.46	5.15	184.41	1.80	1.29	188.20	N/A	N/A	1.15	188.34	1.21	188.28
MW11	4680703.8	337935.3	189.213	189.005	2.11	186.89	5.16	183.84	1.81	1.89	187.32	N/A	N/A	1.50	187.71	1.77	187.44
MW12	4680575.7	337869.7	189.758	189.884	3.92	185.96	6.97	182.91	3.62	4.93	184.83	6.07	183.69	5.28	184.48	4.79	184.97
MW13	4680573.6	337999.4	189.315	189.790	3.91	185.88	6.96	182.83	3.61	4.56	184.76	5.56	183.76	4.82	184.50	3.10	186.22

Notes:

1) BTOP = below top of pipe (riser)

2) Groundwater levels prior to well development

Table 2
Monitoring Well Development Data

Monitor Location	Well Development Details					
	Date (mm/dd/yy)	Depth to Bottom of Well (m)	Depth to Water (m)	Purged Volume Estimate (L)	Actual Volume Estimate (L)	Remarks
MW1	02/25/25	6.04	4.15	4.5	3.0	Brown, silty, odourless
	03/07/25		4.62		2.0	Brown, silty, odourless
MW2	02/25/25	4.50	3.53	2.3	2.5	Cloudy, odourless
MW3	02/25/25	6.04	2.37	8.7	7.5	Brown, silty, odourless
	03/07/25		4.39		3.0	Brown, silty, odourless
MW4	02/25/25	6.05	0.46	13.3	15.0	Brown, silty, odourless
MW5	02/21/25	6.03	4.43	3.8	2.5	Silty, odourless
	02/25/25		1.67		5.0	Silty, odourless
MW6	02/21/25	6.03	4.23	4.3	2.5	Cloudy, odourless
	02/25/25		4.38		3.0	Brown, silty, odourless
MW7	02/21/25	6.95	2.63	10.3	6.5	Silty, odourless
	02/25/25		5.40		2.0	Silty, odourless
	03/07/25		4.09		3.5	Silty, odourless
MW8	02/21/25	6.02	4.18	4.4	3.0	Silty, odourless
	02/25/25		3.03		4.0	Silty, odourless
MW9	02/21/25	5.42	2.02	8.1	16.0	Silty, odourless
MW10	02/21/25	5.15	1.29	9.2	15.0	Silty, odourless
MW11	02/21/25	5.16	1.89	7.8	12.0	Silty, odourless
MW12	02/21/25	6.97	4.43	6.0	3.0	Silty, odourless
	02/25/25		6.07		1.5	Silty, odourless
	03/07/25		5.28		2.0	Silty, odourless
MW13	02/21/25	6.96	4.56	5.7	3.5	Brown, silty, odourless
	02/25/25		5.56		2.5	Silty, odourless

Notes:

Monitoring wells developed by removing three well volumes.

Purging activities were completed on February 21, 2025, February 25, 2025, and March 7, 2025; sampling activities were completed on March 19, 2025.

Table 3
Ground Water Sampling Data & Observations

Monitor Location	Sample Observations					Field Parameters					Laboratory Analyses						
	Date (mm/dd/yy)	Purge Quantity (L)	Sheen / Iridescence	Odour	General Sample Observations	pH	T	DO	C	ORP	VOC	PHC	BTEX	PAH	Metals / Inorganics	PCB	GWC
MW1	03/19/25	1.5	No	No	Clear/ colourless	6.47	16.39	4.93	2.21	206	X	X	X	X	X		X
						6.50	16.40	4.88	2.21	205							
						6.53	16.26	4.82	2.21	204							
MW2	03/19/25	1.5	No	No	Clear/ colourless	7.00	16.86	2.16	1.9	185	X	X	X	X	X		X
						7.01	16.75	2.03	1.83	184							
						7.03	16.38	1.93	1.85	182							
MW3	03/19/25	1.5	No	No	Clear/ colourless	7.07	17.87	5.93	1.49	193	X	X	X	X	X		X
						7.08	17.74	5.79	1.48	194							
						7.09	17.57	5.33	1.48	195							
MW4	03/19/25	1.5	No	No	Clear/ colourless	7.13	16.58	4.02	1.4	200	X	X	X	X	X		X
						7.14	16.25	3.81	1.4	200							
						7.14	16.05	3.63	1.4	200							
MW5	03/19/25	1.5	No	No	Clear/ colourless	7.17	15.11	7.00	2.45	195	X	X	X	X	X		X
						6.98	14.67	7.02	2.45	206							
						6.96	14.47	6.98	2.46	206							
MW6	03/20/25	1.5	No	No	Clear/ colourless	6.82	10.36	3.74	3.83	204	X	X	X	X	X		X
						7.48	10.35	3.55	3.84	202							
						7.51	10.37	3.43	3.85	203							
MW7	03/20/25	1.5	No	No	Clear/ colourless	7.52	10.35	3.34	3.86	204	X	X	X	X	X		X
						7.57	9.48	4.54	2.61	180							
						7.57	9.50	4.45	2.61	183							
MW8	03/20/25	1.5	No	No	Clear/ colourless	7.57	9.47	4.35	2.6	185	X	X	X	X	X		X
						7.40	9.99	3.13	3.39	215							
						7.42	9.94	3.76	3.34	216							
MW9	03/19/25	2.5	No	No	Clear/ colourless	7.47	9.86	4.90	3.29	216	X	X	X	X	X		X
						6.96	13.31	1.54	1.76	64							
						7.02	13.21	1.49	1.77	59							
MW10	03/19/25	1.5	No	No	Cloudy	7.07	13.17	1.46	1.78	52	X	X	X	X	X	X	X
						7.31	11.44	2.14	0.655	206							
						7.25	10.91	2.11	0.646	207							
MW11	03/19/25	2.5	No	No	Clear/ colourless	7.24	10.77	2.08	0.639	208	X	X	X	X	X	X	X
						4.30	12.46	2.01	2.72	201							
						4.19	12.38	1.91	2.72	191							
MW12	03/19/25	1.5	No	No	Clear/ colourless	4.07	12.22	1.82	2.72	181	X	X	X	X	X		X
						7.04	12.90	4.80	2.95	258							
						6.96	12.93	4.70	2.95	261							
MW13	03/19/25	1.5	No	No	Clear/ colourless	6.94	12.95	4.60	2.95	262	X	X	X	X	X		X
						7.15	11.82	5.86	1.89	241							
						7.13	11.82	5.81	1.88	244							
						7.10	11.75	5.76	1.88	246							

Notes: Ground Water Samples Collected prior to Stabilization of Field Parameters Measured due to low groundwater volume using Horiba U50 Water Quality Meter.
VOC = Volatile Organic Compounds. T = Temperature
PHC = Petroleum Hydrocarbons. DO = Dissolved Oxygen
BTEX = Benzene, Toluene, Ethylbenzene, Xylenes. C = Conductivity
PAH = Polycyclic Aromatic Hydrocarbons. ORP = Oxygen Reduction Potential
PCB = Polychlorinated Biphenyls.
GWC = General Water Chemistry (Chloride, Cyanide, Sodium).

Table 4. Summary of TCLP Analyses

		Sample No. Laboratory ID Sample Date Analysis Date		Reg. 558 Schedule 4	TCLP-WD 2506351-01 5-Feb-25 12-Feb-25
Parameters	RDL	RL			
Ignitability	n/a	n/a	-		Not Ignitable
EPA 1331 - TCLP Leachate Metals					
Arsenic	0.05	n/a	2.5		ND (0.05)
Barium	0.05	n/a	100		0.47
Boron	0.05	n/a	500		ND (0.10)
Cadmium	0.01	n/a	0.5		ND (0.01)
Chromium	0.05	n/a	5		ND (0.05)
Lead	0.05	n/a	5		ND (0.05)
Mercury	0.005	n/a	0.1		ND (0.005)
Selenium	0.05	n/a	1		ND (0.05)
Silver	0.05	n/a	5		ND (0.05)
Uranium	0.05	n/a	10		ND (0.05)
EPA 1331 - TCLP Leachate Inorganics					
Fluoride	0.05	n/a	150		0.16
Nitrate as N	1	n/a	1000		ND (1)
Nitrite as N	1	n/a	1000		ND (1)
Cyanide, free	0.02	n/a	20		ND (0.02)
EPA 1331 - TCLP Leachate Volatiles					
Benzene	0.005	n/a	0.5		ND (0.005)
Carbon Tetrachloride	0.005	n/a	0.5		ND (0.005)
Chlorobenzene	0.004	n/a	8		ND (0.004)
Chloroform	0.006	n/a	10		ND (0.006)
1,2-Dichlorobenzene	0.004	n/a	20		ND (0.004)
1,4-Dichlorobenzene	0.004	n/a	0.5		ND (0.004)
1,2-Dichloroethane	0.005	n/a	0.5		ND (0.005)
1,1-Dichloroethylene	0.006	n/a	1.4		ND (0.006)
Methyl Ethyl Ketone (2-Butanone)	0.30	n/a	200		ND (0.30)
Methylene Chloride	0.04	n/a	5		ND (0.04)
Tetrachloroethylene	0.005	n/a	3		ND (0.005)
Trichloroethylene	0.004	n/a	5		ND (0.004)
Vinyl Chloride	0.005	n/a	0.2		ND (0.005)
EPA 1331 - TCLP Leachate Organics					
Benzo[a]pyrene	0.0001	n/a	0.001		ND (0.0001)

797 Concentration exceeds Schedule 4 of O. Reg. 347

RDL = Laboratory Analytical Reporting Detection Limit.

< = Less than RDL

Summary of Petroleum Hydrocarbons & Volatile Organic Compound Soil Analyses

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2

Table 5

Summary of Petroleum Hydrocarbons & Volatile Organic Compound Soil Analyses

Sample Location Sample No. Sample Depth (m) Laboratory ID Sample Data Analysis Date	Criteria 1 EPA Standards 30 m Water Body		Criteria 2 EPA Standards Full Depth		Criteria 3 EPA Standards Non-Portable Full Depth		MW6 MW6 SA1 0.4-0.9 2506346-11 5-Feb-25 24-Feb-25		MW7 MW7 SA1 0.4-0.9 2506346-12 5-Feb-25 24-Feb-25		MW8 MW8 SA1 0.4-0.9 2507405-24 5-Feb-25 24-Feb-25		MW9 SA1 0.8-8 2506346-15 5-Feb-25 24-Feb-25		MW9 SA3 1.6-2.2 2506346-16 5-Feb-25 24-Feb-25		MW9 SA4 2.3-3.0 2507405-25 5-Feb-25 24-Feb-25		MW10 SA1 0.3-0.9 2506346-17 5-Feb-25 24-Feb-25		MW10 SA1b 0.3-0.9 2507405-27 5-Feb-25 24-Feb-25		MW10 SA1c 0.3-0.9 2507405-28 5-Feb-25 24-Feb-25		MW10 SA1d 0.3-0.9 2507405-29 5-Feb-25 24-Feb-25		MW10 SA2 0.9-1.5 2507405-30 5-Feb-25 24-Feb-25		MW10 SA3 1.5-2.4 2506346-19 5-Feb-25 24-Feb-25		MW10 SA3b 1.5-2.4 2507405-29 5-Feb-25 24-Feb-25		MW10 SA3c 1.5-2.4 2507405-29 5-Feb-25 24-Feb-25		MW10 SA3d 1.5-2.4 2507405-29 5-Feb-25 24-Feb-25		MW10 SA4 2.4-3.0 2507405-30 5-Feb-25 24-Feb-25		
	Table 9 Non-Portable I/C/C/R/P/I		Table 9 Non-Portable R/P/I		Table 9 Non-Portable I/C/C																																		
	RDL		RDL		RDL																																		
	Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		Parameters		
Petroleum Hydrocarbons (PHCs)																																							
PHC F1 (C6 - C10)	7	10	25	65	65	65	ND (7)	ND (7)	ND (7)	N/A	ND (7)	ND (7)	ND (7)	7	12	15	11.33	N/A	ND (7)	ND (7)	ND (7)	NC	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	
PHC F2 (C10 - C16)	4	10	10	150	250	250	ND (4)	ND (4)	9	N/A	7	9	ND (4)	17	8	7	10.67	N/A	14	ND (4)	7	NC	5	ND (4)	7.67	10													
PHC F3 (C16 - C24)	8	10	240	1300	2500	2500	ND (8)	ND (8)	67	N/A	115	87	ND (8)	250	201	175	208.67	N/A	27	13	20	NC	ND (8)	14.33	33														
PHC F4 (C24 - C36)	6	50	120	5600	6600	6600	ND (6)	ND (6)	11	N/A	246	21	ND (6)	26	28	27	27.00	N/A	ND (6)	ND (6)	NC	ND (6)	ND (6)	ND (6)	10														
PHC F4 Gravimetric	50	50	120	5600	6600	6600	N/A	N/A	N/A	N/A	684	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Volatile Organic Compounds																																							
Acetone	0.02	0.5	0.5	28	38	38	ND (0.02)	ND (0.02)	N/A	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	N/A	N/A	N/A	N/A	ND (0.02)	ND (0.02)	ND (0.02)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Benzene	0.02	0.02	0.02	0.17	0.4	0.4	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	N/A	N/A	N/A	N/A	ND (0.02)	ND (0.02)	ND (0.02)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Bromodichloromethane	0.05	0.05	0.05	13	18	18	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Bromochloromethane	0.05	0.05	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Bromomethane	0.05	0.05	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Carbon Tetrachloride	0.05	0.05	0.05	0.12	1.5	1.5	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Chlorobenzene (Monochlorobenzene)	0.05	0.05	0.05	2.7	2.7	2.7	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Chloroform	0.05	0.05	0.05	0.18	0.18	0.18	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dibromochloromethane	0.05	0.05	0.05	9.4	13	13	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichlorodifluoromethane	0.05	0.05	0.05	25	25	25	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichlorobenzene, 1,2- (o-DCB)	0.05	0.05	0.05	4.3	8.6	8.6	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichlorobenzene, 1,3- (m-DCB)	0.05	0.05	0.05	6	12	12	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichlorobenzene, 1,4- (p-DCB)	0.05	0.05	0.05	0.097	0.84	0.84	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichloroethane, 1,1- (1,1-DCA)	0.05	0.05	0.05	11	21	21	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichloroethane, 1,2- (1,2-DCA)	0.05	0.05	0.05	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	NC	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Dichloroethylene, 1,1- (1,1-DCE)	0.05	0.05	0.05																																				



Summary of Petroleum Hydrocarbons & Volatile Organic Compound Soil Analyses

[illegible]

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MWS, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2

Table 6

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

Sample Location		Criteria 1	Criteria 2	Criteria 3	MW1	MW2		MW3		MW4	MW5	MW6	MW7	MW8	MW9		MW10		MW11	
Sample No.	Sample Depth (m)	EPA Standards 30 m Water Body	EPA Standards Full Depth	EPA Standards Full Depth	MW1 SA2 0.9-1.5	MW2 SA3 1.5-2.3	MW2 SA4 2.3-2.7	MW3 SA1 0.3-1.3	DUPS-7 (MW3 SA3)	MW4 SA1 0.3-1.2	MW5 SA2 0.8-1.2	MW6 SA1 0.4-0.9	MW7 SA1 0-0.9	MW8 SA1 0.4-0.9	MW9 SA1 0-0.8	MW9 SA3 1.6-2.2	MW10 SA1 0.3-0.9	MW10 SA3 1.5-2.4	DUPS-1 (MW11 SA1)	MW11 SA2 1.0-1.5
Laboratory ID	Sample Date	Table 9 I/C/R/P/I	Table 3 R/P/I	Table 3 I/C/C	2506346-01 4-Feb-25	2506346-04 4-Feb-25	2507405-21 3-Feb-25	2506346-06 4-Feb-25	2506346-55 4-Feb-25	2506346-08 4-Feb-25	2506346-09 4-Feb-25	2506346-11 5-Feb-25	2506346-12 3-Feb-25	2506346-14 5-Feb-25	2506346-15 5-Feb-25	2506346-16 5-Feb-25	2506346-17 3-Feb-25	2506346-19 3-Feb-25	2506346-51 3-Feb-25	2506346-21 3-Feb-25
Parameters	RDL	RL																		
Acenaphthene	0.02	0.05	0.072	58	96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	0.02	0.05	0.093	0.17	0.17	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Anthracene	0.02	0.05	0.22	0.74	0.74	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.04	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[a]anthracene	0.02	0.05	0.36	0.63	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.12	ND (0.02)	0.03	ND (0.02)	0.02	0.03	0.02	0.09	ND (0.02)	0.02
Benzo[a]pyrene	0.02	0.05	0.3	0.3	0.3	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.10	ND (0.02)	0.03	ND (0.02)	0.03	ND (0.02)	0.05	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[b]fluoranthene	0.02	0.05	0.47	0.78	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.14	ND (0.02)	0.05	ND (0.02)	0.03	0.05	ND (0.02)	0.09	ND (0.02)	0.02
Benzo[b]fluoranthene	0.02	0.1	0.68	7.8	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.06	ND (0.02)	0.02	ND (0.02)	0.03	ND (0.02)	0.04	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[b]fluoranthene	0.02	0.05	0.48	0.78	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)
Chrysene	0.02	0.05	2.8	7.8	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.12	0.02	0.04	ND (0.02)	0.03	0.05	0.03	0.11	ND (0.02)	0.02
Dibenz[a,h]anthracene	0.02	0.1	0.1	0.1	0.1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluoranthene	0.02	0.05	0.69	0.69	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.33	0.03	0.07	0.03	0.04	0.07	0.05	0.26	ND (0.02)	0.04
Fluorene	0.02	0.05	0.19	69	69	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno[1,2,3-cd]pyrene	0.02	0.1	0.23	0.48	0.95	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.07	ND (0.02)	0.02	ND (0.02)	0.02	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)
Methylanthracene, 1- ^a	0.02	-	0.59	3.4	85	0.03	0.28	0.31	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.06	ND (0.02)	0.08	0.27	ND (0.02)	0.06
Methylanthracene, 2- ^a	0.02	-	0.59	3.4	85	0.03	0.48	0.42	ND (0.02)	ND (0.02)	ND (0.02)	0.04	ND (0.02)	ND (0.02)	0.08	ND (0.02)	0.11	0.40	ND (0.02)	0.09
Methylanthracene, 1-, 2- ^a	0.04	0.05	0.59	3.4	85	0.06	0.76	0.74	ND (0.04)	ND (0.04)	ND (0.04)	0.07	ND (0.04)	ND (0.04)	0.14	ND (0.04)	0.19	0.67	ND (0.04)	0.15
Naphthalene	0.01	0.05	0.09	0.75	28	ND (0.01)	0.54	0.20	ND (0.01)	ND (0.01)	ND (0.01)	0.03	ND (0.01)	0.01	0.07	ND (0.01)	0.11	0.28	ND (0.01)	0.07
Phenanthrene	0.02	0.05	0.69	7.8	16	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.21	0.04	0.04	0.03	0.09	0.03	0.11	0.36	ND (0.02)	0.08
Pyrene	0.02	0.05	1	78	96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.21	0.03	0.05	0.02	0.03	0.05	0.04	0.17	ND (0.02)	0.02

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2

Table 6

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

Sample Location		Criteria 1	Criteria 2	Criteria 3	MW12	MW13				BH14	BH14	BH15	BH16	BH17	BH18	BH19				BH20	BH20	BH20	BH20	BH20						
Sample No.	Sample Depth (m)	EPA Standards 30 m Water Body Non-Potable	EPA Standards Full Depth Non-Potable	EPA Standards Full Depth Non-Potable	MW12 SA1 0-1.0 3-Feb-25	MW13 SA1 0-0.8 3-Feb-25	DUPS-3 (MW13 SA1) 2506346-52 3-Feb-25	AVG	RPD	BH14 SA2 0.9-1.5 4-Feb-25	BH14 SA2b 0.9-1.5 4-Feb-25	BH14 SA2c 0.9-1.5 4-Feb-25	AVG of BH14 SA2, & BH14 SA2c 1.5-2.4 4-Feb-25	BH15 SA2 1.2-1.5 4-Feb-25	BH16 SA1 0.2-0.8 4-Feb-25	BH17 SA2 0.6-1.4 4-Feb-25	BH17 SA3 1.5-1.8 4-Feb-25	BH18 SA2 0.9-1.4 4-Feb-25	BH18 SA3 1.5-1.6 4-Feb-25	BH19 SA2 0.6-1.4 5-Feb-25	BH19 SA2b 0.6-1.4 5-Feb-25	BH19 SA2c 0.6-1.4 5-Feb-25	AVG of BH19 SA2, & BH19 SA2c 0.3-0.9 5-Feb-25	BH20 SA2 0.3-0.9 5-Feb-25	BH20 SA2b 0.3-0.9 5-Feb-25	BH20 SA2c 0.3-0.9 5-Feb-25	AVG of BH20 SA2, & BH20 SA2c 0.3-0.9 5-Feb-25			
Parameters	RDL	RL	Table 9 I/C/C/R/P/I Fine	Table 3 R/P/I Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	Table 3 I/C/C Fine	
Acenaphthylene	0.02	0.05	0.072	58	96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Acenaphthylene	0.02	0.05	0.093	0.17	0.17	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Anthracene	0.02	0.05	0.22	0.74	0.74	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[a]anthracene	0.02	0.05	0.36	0.63	0.96	ND (0.02)	0.03	0.03	0.03	NC	0.03	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.04	ND (0.02)	0.02	ND (0.02)	0.03	ND (0.02)	0.02	0.02	0.06	0.03	0.07	0.05	0.05	0.05
Benzo[a]pyrene	0.02	0.05	0.3	0.3	0.3	ND (0.02)	0.02	ND (0.02)	ND (0.02)	NC	1.30	0.02	0.35	0.56	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Benzo[b]fluoranthene	0.02	0.05	0.47	0.78	0.96	0.02	0.03	0.03	0.03	NC	0.03	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.02)	0.03	ND (0.02)	0.04	ND (0.02)	ND (0.02)	0.03	0.06	0.04	0.08	0.06	0.06	
Benzo[k]fluoranthene	0.02	0.1	0.68	7.8	9.6	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.02	0.03	ND (0.02)	0.03	0.03	0.03	0.03	
Benzo[k]fluoranthene	0.02	0.05	0.48	0.78	0.96	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	
Chrysene	0.02	0.05	2.8	7.8	9.6	ND (0.02)	0.03	0.03	0.03	NC	0.03	0.03	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.06	ND (0.02)	0.03	ND (0.02)	0.05	ND (0.02)	0.03	0.03	0.07	0.03	0.07	0.06	0.06	
Dibenz[ah]anthracene	0.02	0.1	0.1	0.1	0.1	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Fluoranthene	0.02	0.05	0.69	0.69	9.6	0.04	0.05	0.05	0.05	NC	0.05	0.05	ND (0.02)	0.04	ND (0.02)	ND (0.02)	0.07	ND (0.02)	0.03	ND (0.02)	0.08	0.03	0.04	0.05	0.12	ND (0.02)	0.26	0.13	0.13	
Fluorene	0.02	0.05	0.19	69	69	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Indeno[1,2,3-cd]pyrene	0.02	0.1	0.23	0.48	0.95	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.02	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)
Methylanthracene, 1- ^a	0.02	-	0.59	3.4	85	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.13	ND (0.02)	0.09	ND (0.02)	0.14	0.06	0.06	0.09	0.10	0.03	0.03	0.05	0.05	
Methylanthracene, 2- ^a	0.02	-	0.59	3.4	85	ND (0.02)	0.02	0.02	0.02	NC	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.18	ND (0.02)	0.11	ND (0.02)	0.21	0.09	0.09	0.13	0.14	0.04	0.04	0.07	0.07	
Methylanthracene, 1-, 2- ^a	0.04	0.05	0.59	3.4	85	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	NC	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.31	ND (0.04)	0.20	ND (0.04)	0.36	0.16	0.16	0.23	0.23	0.07	0.07	0.12	0.12	
Naphthalene	0.01	0.05	0.09	0.75	28	ND (0.01)	0.01	0.01	0.01	NC	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.11	ND (0.01)	0.08	ND (0.01)	0.18	0.07	0.07	0.11	0.10	0.03	0.03	0.05	0.05	
Phenanthrene	0.02	0.05	0.69	7.8	16	0.02	0.03	0.05	0.04	NC	0.02	0.02	ND (0.02)	0.02	ND (0.02)	ND (0.02)	ND (0.02)	0.14	ND (0.02)	0.11	ND (0.02)	0.20	0.08	0.08	0.12	0.17	0.05	0.11	0.11	
Pyrene	0.02	0.05	1	78	96	0.03	0.04	0.04	0.04	NC	0.04	0.04	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.05	ND (0.02)	0.03	ND (0.02)	0.06	0.03	0.03	0.04	0.09	0.05	0.11	0.08	0.08	

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPD only pertains to MW5, MW6, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

Sample Location			Criteria 1		Criteria 2		Criteria 3		Criteria 4		Criteria 5		Criteria 6		Criteria 7		Criteria 8		Criteria 9		Criteria 10		Criteria 11		Criteria 12		Criteria 13		Criteria 14		Criteria 15		Criteria 16		Criteria 17		Criteria 18		Criteria 19		Criteria 20		Criteria 21		Criteria 22		Criteria 23		Criteria 24		Criteria 25		Criteria 26		Criteria 27		Criteria 28		Criteria 29		Criteria 30		Criteria 31		Criteria 32		Criteria 33		Criteria 34		Criteria 35		Criteria 36		Criteria 37		Criteria 38		Criteria 39		Criteria 40		Criteria 41		Criteria 42		Criteria 43		Criteria 44		Criteria 45		Criteria 46		Criteria 47		Criteria 48		Criteria 49		Criteria 50		Criteria 51		Criteria 52		Criteria 53		Criteria 54		Criteria 55		Criteria 56		Criteria 57		Criteria 58		Criteria 59		Criteria 60		Criteria 61		Criteria 62		Criteria 63		Criteria 64		Criteria 65		Criteria 66		Criteria 67		Criteria 68		Criteria 69		Criteria 70		Criteria 71		Criteria 72		Criteria 73		Criteria 74		Criteria 75		Criteria 76		Criteria 77		Criteria 78		Criteria 79		Criteria 80		Criteria 81		Criteria 82		Criteria 83		Criteria 84		Criteria 85		Criteria 86		Criteria 87		Criteria 88		Criteria 89		Criteria 90		Criteria 91		Criteria 92		Criteria 93		Criteria 94		Criteria 95		Criteria 96		Criteria 97		Criteria 98		Criteria 99		Criteria 100		Criteria 101		Criteria 102		Criteria 103		Criteria 104		Criteria 105		Criteria 106		Criteria 107		Criteria 108		Criteria 109		Criteria 110		Criteria 111		Criteria 112		Criteria 113		Criteria 114		Criteria 115		Criteria 116		Criteria 117		Criteria 118		Criteria 119		Criteria 120		Criteria 121		Criteria 122		Criteria 123		Criteria 124		Criteria 125		Criteria 126		Criteria 127		Criteria 128		Criteria 129		Criteria 130		Criteria 131		Criteria 132		Criteria 133		Criteria 134		Criteria 135		Criteria 136		Criteria 137		Criteria 138		Criteria 139		Criteria 140		Criteria 141		Criteria 142		Criteria 143		Criteria 144		Criteria 145		Criteria 146		Criteria 147		Criteria 148		Criteria 149		Criteria 150		Criteria 151		Criteria 152		Criteria 153		Criteria 154		Criteria 155		Criteria 156		Criteria 157		Criteria 158		Criteria 159		Criteria 160		Criteria 161		Criteria 162		Criteria 163		Criteria 164		Criteria 165		Criteria 166		Criteria 167		Criteria 168		Criteria 169		Criteria 170		Criteria 171		Criteria 172		Criteria 173		Criteria 174		Criteria 175		Criteria 176		Criteria 177		Criteria 178		Criteria 179		Criteria 180		Criteria 181		Criteria 182		Criteria 183		Criteria 184		Criteria 185		Criteria 186		Criteria 187		Criteria 188		Criteria 189		Criteria 190		Criteria 191		Criteria 192		Criteria 193		Criteria 194		Criteria 195		Criteria 196		Criteria 197		Criteria 198		Criteria 199		Criteria 200		Criteria 201		Criteria 202		Criteria 203		Criteria 204		Criteria 205		Criteria 206		Criteria 207		Criteria 208		Criteria 209		Criteria 210		Criteria 211		Criteria 212		Criteria 213		Criteria 214		Criteria 215		Criteria 216		Criteria 217		Criteria 218		Criteria 219		Criteria 220		Criteria 221		Criteria 222		Criteria 223		Criteria 224		Criteria 225		Criteria 226		Criteria 227		Criteria 228		Criteria 229		Criteria 230		Criteria 231		Criteria 232		Criteria 233		Criteria 234		Criteria 235		Criteria 236		Criteria 237		Criteria 238		Criteria 239		Criteria 240		Criteria 241		Criteria 242		Criteria 243		Criteria 244		Criteria 245		Criteria 246		Criteria 247		Criteria 248		Criteria 249		Criteria 250		Criteria 251		Criteria 252		Criteria 253		Criteria 254		Criteria 255		Criteria 256		Criteria 257		Criteria 258		Criteria 259		Criteria 260		Criteria 261		Criteria 262		Criteria 263		Criteria 264		Criteria 265		Criteria 266		Criteria 267		Criteria 268		Criteria 269		Criteria 270		Criteria 271		Criteria 272		Criteria 273		Criteria 274		Criteria 275		Criteria 276		Criteria 277		Criteria 278		Criteria 279		Criteria 280		Criteria 281		Criteria 282		Criteria 283		Criteria 284		Criteria 285		Criteria 286		Criteria 287		Criteria 288		Criteria 289		Criteria 290		Criteria 291		Criteria 292		Criteria 293		Criteria 294		Criteria 295		Criteria 296		Criteria 297		Criteria 298		Criteria 299		Criteria 300	
Sample No.	Sample Depth (m)	Sample Date	EPA Standards 30 on Water Body	EPA Standards Non-Potable	EPA Standards Full Depth	EPA Standards Non-Potable	EPA Standards Full Depth	BH21	BH21 SA2	BH21 SA2b	AVG of BH21 & BH21 SA2b	BH22 SA1	BH22 SA2	BH22 SA3	BH23 SA1	BH23 SA2	DUPS-5	(BH23 SA2)	AVG	RPD	BH24 SA1	BH24 SA2	BH25 SA1	BH25 SA2	BH26 SA1	BH26 SA2	BH27 SA1	BH27 SA2	S-SA1	S-SA2	S-SA3	Stockpile	S-SA1	S-SA2	S-SA3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Parameters	RDCL	RL	IC/CRI/PI	Fine	Fine	Fine	Fine	5-Feb-25	3-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb																																																																																																																																																																																																																																																																							

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2

Table 7
Summary of Metal Soil Analyses

Summary of Metal Soil Analyses																												
Sample Location			Criteria 1	Criteria 2	Criteria 3										MW1				MW2				MW3				MW4	MW5
Sample No.	Sample Depth (m)	Sample Depth (m)	EPA Standards 30 m Water Body Non-Potable Table 9 I/C/R/P/I	EPA Standards Full Depth Non-Potable Table 3 R/P/I Fine	EPA Standards Full Depth Non-Potable Table 3 I/C/R/P/I Fine	MW1 SA2 0.9-1.5 2506346-01 4-Feb-25	MW1 SA2b 0.9-1.5 2507405-01 4-Feb-25	MW1 SA2c 0.9-1.5 2507405-02 4-Feb-25	AVG of MW1 SA2b & MW1 SA2c	MW1 SA3 1.5-2.3 2507405-03 4-Feb-25	MW1 SA4 2.3-3.0 2506346-04 4-Feb-25	MW2 SA3 1.5-2.3 2506346-04 4-Feb-25	MW2 SA4 2.3-2.7 2506346-05 4-Feb-25	MW2 SA4b 2.3-2.7 2507405-06 4-Feb-25	MW2 SA4c 2.3-2.7 2507405-07 4-Feb-25	AVG of MW2 SA4b & MW2 SA4c	MW3 SA1 0.3-1.3 2506346-06 4-Feb-25	MW3 SA3 1.5-2.3 2506346-07 4-Feb-25	DUPS-7 (MW3 SA3) 2506346-05 4-Feb-25	AVG	RPD	MW4 SA1 0.3-1.2 2506346-08 4-Feb-25	MW5 SA2 0.8-1.2 2506346-09 4-Feb-25					
Parameters	RDL	RL																										
SAR (Unitless)	0.01	-	5	5	12	105	N/A	N/A	N/A	N/A	0.70	1.14	1.46	N/A	N/A	N/A	0.14	0.69	0.65	0.67	5.97	0.36	0.90					
EC (uS/cm)	5	0.005	700	700	1400	245	N/A	N/A	N/A	N/A	240	333	449	N/A	N/A	N/A	145	198	186	192	6.25	239	348					
Cyanide (CN-)	0.03	0.05	0.051	0.051	0.051	ND (0.03)	N/A	N/A	N/A	N/A	ND (0.03)	ND (0.03)	ND (0.03)	N/A	N/A	N/A	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	NC	ND (0.03)	ND (0.03)					
pH (range)	0.05	-	-	-	6.58	N/A	N/A	N/A	N/A	N/A	7.39	7.43	7.79	N/A	N/A	N/A	7.47	7.56	7.54	7.54	0.53	7.41	7.31					
Antimony	1.0	1	1.3	7.5	50	ND (1.0)	N/A	N/A	N/A	N/A	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)					
Arsenic	1.0	1	18	18	8.1	N/A	N/A	N/A	N/A	N/A	9.6	10.0	12.0	9.3	8.7	10	4.8	9.9	8.7	9.3	12.90	7.7	6.3					
Barium	1.0	5	220	390	670	92.8	N/A	N/A	N/A	N/A	74.5	83.9	90.9	97.9	89.3	92.7	31.1	60.2	57.3	58.75	4.94	85.1	57.0					
Beryllium	0.5	2	2.5	5	10	0.8	N/A	N/A	N/A	N/A	0.8	0.9	0.9	0.9	0.9	0.9	ND (0.5)	0.7	0.7	0.7	NC	0.7	0.5					
Boron (Available) ⁹	0.5	0.5	1.5	1.5	2	1.9	0.5	ND (0.5)	1.0	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NC	0.7	1.0					
Boron (total)	5.0	5	36	120	120	10.9	N/A	N/A	N/A	N/A	17.9	16.6	15.0	14.5	16.4	15.3	ND (5.0)	13.4	13.0	13.2	NC	10.5	6.6					
Cadmium	0.5	1	1.2	1.2	1.9	ND (0.5)	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NC	0.5	ND (0.5)					
Chromium (vi)	0.2	0.2	0.66	10	10	ND (0.2)	N/A	N/A	N/A	N/A	ND (0.2)	ND (0.2)	ND (0.2)	N/A	N/A	N/A	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	NC	ND (0.2)	ND (0.2)					
Chromium (Total)	5.0	5	70	160	160	22.5	N/A	N/A	N/A	N/A	23.5	27.5	25.8	28.6	26.8	27.07	10.3	22.2	20.6	21.4	NC	25.4	27.7					
Cobalt	1.0	2	22	22	100	6.2	N/A	N/A	N/A	N/A	11.4	11.1	9.4	9.2	9.1	9.23	3.6	9.4	9.9	9.65	5.18	7.8	4.7					
Copper	5.0	5	92	180	300	23.0	N/A	N/A	N/A	N/A	19.2	23.4	23.1	26.1	25.7	24.97	6.4	19.0	17.5	18.25	NC	19.4	52.3					
Lead	1.0	10	120	120	120	46.0	N/A	N/A	N/A	N/A	12.9	10.4	10.0	10.4	10.5	10.3	4.4	9.1	10.5	9.8	14.29	21.9	53.8					
Mercury ^h	0.1	0.1	0.27	1.8	20	ND (0.1)	N/A	N/A	N/A	N/A	ND (0.1)	ND (0.1)	ND (0.1)	N/A	N/A	N/A	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	NC	ND (0.1)	ND (0.1)					
Molybdenum	1.0	2	2	6.9	40	2.0	N/A	N/A	N/A	N/A	4.2	3.4	7.1	5.6	4.8	5.83	1.2	3.0	2.8	2.9	NC	1.6	2.3					
Nickel	5.0	5	82	130	340	16.9	N/A	N/A	N/A	N/A	27.4	30.1	26.1	26.6	25.9	26.2	8.4	23.7	23.0	23.35	NC	20.4	24.6					
Selenium	1.0	1	1.5	2.4	ND (1.0)	N/A	N/A	N/A	N/A	N/A	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)					
Silver	0.3	0.5	0.5	25	50	ND (0.3)	N/A	N/A	N/A	N/A	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	NC	ND (0.3)	ND (0.3)					
Thallium	1.0	1	1	1	3.3	ND (1.0)	N/A	N/A	N/A	N/A	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)					
Uranium	1.0	1	2.5	23	33	1.4	N/A	N/A	N/A	N/A	1.2	1.1	1.2	1.3	1.3	1.27	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)					
Vanadium	10.0	10	86	86	86	35.8	N/A	N/A	N/A	N/A	36.0	43.4	45.6	43.4	43.3	44.10	16.5	35.5	33.7	34.6	NC	36.6	22.6					
Zinc	20.0	30	290	340	92.0	N/A	N/A	N/A	N/A	N/A	60.8	65.1	59.5	66.5	67.4	64.47	25.7	54.2	50.1	52.15	NC	96.8	57.1					

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples S-SA1 and S-SA2

Table 7
Summary of Metal Soil Analyses

Summary of Metal Soil Analyses																												
Sample Location			Criteria 1	Criteria 2	Criteria 3	MW6				MW7				MW8				MW9				MW10						
Sample No.	Sample Depth (m)	EPA Standards 30 m Water Body Non-Potable Table 9 I/C/C/R/P/I	EPA Standards Full Depth Non-Potable Table 3 R/P/I Fine	EPA Standards Full Depth Non-Potable Table 3 I/C/C Fine	EPA Standards Full Depth Non-Potable Table 3 I/C/C Fine	MW6 SA1 0.4-0.9 2506346-11 5-Feb-25 24-Feb-25	MW7 SA1 0.4-0.9 2506346-12 3-Feb-25 24-Feb-25	MW7 SA1b 0.4-0.9 2507405-22 3-Feb-25 24-Feb-25	MW7 SA1c 0.4-0.9 2507405-23 3-Feb-25 24-Feb-25	AVG of MW7 SA1 & MW7 SA1c	MW8 SA1 0.4-0.9 2506346-14 5-Feb-25 24-Feb-25	MW8 SA1b 0.4-0.9 2507405-08 5-Feb-25 24-Feb-25	MW8 SA1c 0.4-0.9 2507405-09 5-Feb-25 24-Feb-25	AVG of MW8 SA1 & MW8 SA1c	MW9 SA1 0.4-0.9 2506346-15 5-Feb-25 24-Feb-25	MW9 SA3 1.6-2.2 2506346-16 5-Feb-25 24-Feb-25	MW9 SA3 Rev 1.6-2.2 2506346-16R1 5-Feb-25 24-Feb-25	MW9 SA3b 1.6-2.2 2507405-10 5-Feb-25 24-Feb-25	MW9 SA3c 1.6-2.2 2507405-11 5-Feb-25 24-Feb-25	AVG of MW9 SA3 & MW9 SA3c	MW9 SA4 2.2-3.0 2506346- 5-Feb-25 12-Mar-25	MW10 SA1 0.3-0.9 2506346-17 3-Feb-25 24-Feb-25	MW10 SA1b 0.3-0.9 2507405-26 3-Feb-25 24-Feb-25	MW10 SA1c 0.3-0.9 2507405-27 3-Feb-25 24-Feb-25	AVG of MW10 SA1 & MW10 SA1b & c	MW10 SA3 1.5-2.4 2506346-19 3-Feb-25 24-Feb-25		
Parameters	RDL	RL																										
SAR (Unitless)	0.01	—	5	5	12	1.71	0.18	N/A	N/A	N/A	0.30	N/A	N/A	N/A	1.57	0.32	N/A	N/A	N/A	N/A	N/A	N/A	0.40	N/A	N/A	N/A	N/A	0.13
EC (uS/cm)	5	0.005	700	700	1400	532	1280	N/A	N/A	N/A	1070	N/A	N/A	N/A	466	1420	N/A	1650	1560	1543.33	212	1820	N/A	N/A	N/A	N/A	N/A	111
Cyanide (CN-)	0.03	0.05	0.051	0.051	0.051	ND (0.03)	ND (0.03)	ND (0.03)	N/A	N/A	ND (0.03)	N/A	N/A	N/A	ND (0.03)	ND (0.03)	N/A	N/A	N/A	N/A	N/A	ND (0.03)	N/A	N/A	N/A	N/A	N/A	ND (0.03)
pH (range)	0.05	—	—	—	—	7.48	10.33	N/A	N/A	N/A	8.81	N/A	N/A	N/A	7.90	11.57	11.48	11.56	11.55	11.54	7.81	10.28	N/A	N/A	N/A	N/A	N/A	8.26
Antimony	1.0	1	1.3	7.5	50	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.8	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	ND (1.0)
Arsenic	1.0	1	18	18	18	8.3	5.6	5.7	5.6	5.63	2.6	4.3	3.9	3.6	9.6	5.7	N/A	N/A	N/A	N/A	N/A	N/A	3.5	N/A	N/A	N/A	N/A	1.1
Barium	1.0	5	220	390	670	105	226	111	120	152.33	76.1	112	112	100.03	94.9	113	N/A	N/A	N/A	N/A	N/A	99.3	N/A	N/A	N/A	N/A	N/A	6.4
Beryllium	0.5	2	2.5	5	10	0.9	1.3	0.9	0.9	1.03	0.6	0.9	0.8	0.77	0.9	1.0	N/A	N/A	N/A	N/A	N/A	0.6	N/A	N/A	N/A	N/A	N/A	ND (0.5)
Boron (Available) ^a	0.5	0.5	1.5	1.5	2	0.6	1.2	N/A	N/A	N/A	1.4	N/A	N/A	N/A	0.6	0.7	N/A	N/A	N/A	N/A	N/A	1.1	N/A	N/A	N/A	N/A	N/A	ND (0.5)
Boron (total)	5.0	5	36	120	120	12.3	37.4	17.8	17.8	24.33	6.9	11.9	10.1	9.63	19.7	27.9	N/A	N/A	N/A	N/A	N/A	11.6	N/A	N/A	N/A	N/A	N/A	ND (5.0)
Cadmium	0.5	1	1.2	1.2	1.9	ND (0.5)	1.0	ND (0.5)	ND (0.5)	0.67	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	1.2	N/A	N/A	N/A	N/A	N/A	ND (0.5)	N/A	N/A	N/A	N/A	N/A	ND (0.5)
Chromium (vi)	0.2	0.2	0.66	10	10	ND (0.2)	ND (0.2)	N/A	N/A	N/A	ND (0.2)	N/A	N/A	N/A	ND (0.2)	0.8	N/A	N/A	N/A	N/A	N/A	0.3	N/A	N/A	N/A	N/A	N/A	ND (0.2)
Chromium (Total)	5.0	5	70	160	160	27.3	50.7	29.0	31.2	36.97	20.2	29.1	27.5	25.6	28.4	38.7	N/A	N/A	N/A	N/A	N/A	29.6	N/A	N/A	N/A	N/A	N/A	5.8
Cobalt	1.0	2	22	22	100	9.5	4.0	8.9	6.6	6.5	1.1	4.7	3.5	3.1	10.0	2.5	N/A	N/A	N/A	N/A	N/A	2.0	N/A	N/A	N/A	N/A	N/A	2.0
Copper	5.0	5	92	180	300	11.9	16.0	10.4	9.9	12.1	13.9	23.8	20.6	19.43	20.6	30.2	N/A	N/A	N/A	N/A	N/A	24.8	N/A	N/A	N/A	N/A	N/A	5.9
Lead	1.0	10	120	120	120	20.2	36.2	17.0	16.3	23.17	28.4	37.2	40.9	35.5	13.4	50.1	N/A	N/A	N/A	N/A	N/A	20.7	N/A	N/A	N/A	N/A	N/A	2.3
Mercury ^b	0.1	0.1	0.27	1.8	20	ND (0.1)	ND (0.1)	N/A	N/A	N/A	ND (0.1)	N/A	N/A	N/A	N/A	ND (0.1)	N/A	N/A	N/A	N/A	N/A	0.3	ND (0.1)	ND (0.1)	0.17	ND (0.1)	ND (0.1)	
Molybdenum	1.0	2	2	6.9	40	1.5	2.5	1.7	1.7	1.97	7.4	3.1	3.4	4.63	2.5	3.1	N/A	N/A	N/A	N/A	N/A	3.1	N/A	N/A	N/A	N/A	N/A	ND (1.0)
Nickel	5.0	5	82	130	340	17.8	12.8	13.9	14.0	13.57	11.5	15.6	18.8	15.3	27.1	16.3	N/A	N/A	N/A	N/A	N/A	13.3	N/A	N/A	N/A	N/A	N/A	7.1
Selenium	1.0	1	1.5	2.4	5.5	ND (1.0)	1.9	ND (1.0)	ND (1.0)	1.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	2.0	N/A	N/A	N/A	N/A	N/A	N/A	ND (1.0)	N/A	N/A	N/A	N/A	N/A	ND (1.0)
Silver	0.3	0.5	0.5	25	50	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	N/A	N/A	N/A	N/A	N/A	ND (0.3)	N/A	N/A	N/A	N/A	N/A	ND (0.3)
Thallium	1.0	1	1	3.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	N/A	N/A	N/A	N/A	N/A	ND (1.0)	N/A	N/A	N/A	N/A	N/A	ND (1.0)
Uranium	1.0	1	2.5	23	33	1.2	2.1	1.5	1.5	1.7	ND (1.0)	1.0	ND (1.0)	ND (1.0)	1.2	1.6	N/A	N/A	N/A	N/A	N/A	ND (1.0)	N/A	N/A	N/A	N/A	N/A	ND (1.0)
Vanadium	10.0	10	86	86	86	48.1	38.8	45.2	46.8	43.6	ND (10.0)	27.7	20.3	19.3	45.3	13.3	N/A	N/A	N/A	N/A	N/A	ND (10.0)	N/A	N/A	N/A	N/A	N/A	ND (10.0)
Zinc	20.0	30	290	340	86.7	140	64.4	69.9	91.43	ND (20.0)	48.9	35.9	34.9	70.2	178	N/A	N/A	N/A	N/A	N/A	N/A	32.9	N/A	N/A	N/A	N/A	N/A	ND (20.0)

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile sampler

Table 7
Summary of Metal Soil Analyses

Sample Location		Criteria 1	Criteria 2	Criteria 3	MW11		MW12	MW13		AVG	RPD	BH14		AVG of BH14 SA2 & BH14 SA2b	BH14 SA3	BH15 SA2	BH16	BH16 SA1	BH17 SA2	BH17 SA2b	BH17 SA2c	AVG of BH17 SA2	BH17 SA3	BH18 SA2	BH18 SA3	BH19 SA2	BH20 SA2	BH20 SA2b	BH20 SA2c	AVG of BH20 SA2 & BH18 SA2c
Sample No.	Sample Depth (m)	EPA Standards 30 m Water Body Non-Potable Table 9 I/C/C/R/P/I	EPA Standards Full Depth Non-Potable Table 3 I/C/C Fine	EPA Standards Full Depth Non-Potable Table 3 I/C/C Fine	DUPS-1 (MW11 SA1) 2506346-51 3-Feb-25	MW11 SA2 2506346-21 3-Feb-25	MW12 SA1 2506346-22 3-Feb-25	MW13 SA1 2506346-52 3-Feb-25	DUPS-3 (MW13 SA2) 2506346-52 3-Feb-25			BH14 SA2 2506346-24 4-Feb-25	BH14 SA2b 2507405-12 4-Feb-25		BH14 SA2c 2507405-15 4-Feb-25	BH14 SA3 2506346-30 4-Feb-25	BH15 SA2 2506346-26 4-Feb-25	BH16 2506346-31 4-Feb-25	BH16 SA1 2506346-32 4-Feb-25	BH17 SA2 2506346-33 4-Feb-25	BH17 SA2b 2507405-14 4-Feb-25	BH17 SA2c 2507405-15 4-Feb-25	AVG of BH17 SA2 & BH17 SA2c	BH17 SA3 2506346-33 4-Feb-25	BH18 SA2 2506346-36 5-Feb-25	BH18 SA3 2506346-37 5-Feb-25	BH19 SA2 2506346-38 5-Feb-25	BH20 SA2 2506346-39 5-Feb-25	BH20 SA2b 2507405-36 5-Feb-25	BH20 SA2c 2507405-37 5-Feb-25
Parameters	RDL	RL																												
SAR (Unitless)	0.01	—	5	5	12	0.23	0.43	0.35	0.15	0.16	0.155	6.45	1.71	N/A	N/A	N/A	0.09	0.12	0.93	N/A	N/A	N/A	1.24	0.21	0.57	0.35	0.54	N/A	N/A	N/A
EC (uS/cm)	5	0.005	700	700	1400	241	172	268	134	159	146.5	17.06	271	N/A	N/A	N/A	219	165	345	N/A	N/A	N/A	255	218	166	299	368	N/A	N/A	N/A
Cyanide (CN ⁻)	0.03	0.05	0.051	0.051	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	NC	ND (0.03)	N/A	N/A	N/A	N/A	ND (0.03)	ND (0.03)	ND (0.03)	N/A	N/A	N/A	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	N/A	N/A	N/A
pH (range)	0.05	—	—	—	7.68	7.49	7.39	7.31	7.35	7.33	0.55	6.86	N/A	N/A	N/A	N/A	7.29	7.49	7.54	N/A	N/A	N/A	7.33	7.53	7.32	7.56	7.68	N/A	N/A	N/A
Antimony	1.0	1	1.3	7.5	50	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	N/A	N/A	N/A	N/A	ND (1.0)	ND (1.0)	ND (1.0)	1.0	1.4	1.13	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Arsenic	1.0	1	18	18	5.9	2.1	9.0	8.2	8.5	8.35	3.59	6.7	N/A	N/A	N/A	N/A	4.2	9.4	4.4	4.6	4.7	4.57	13.4	3.6	10.9	3.2	10.1	8.2	8.2	8.83
Barium	1.0	5	220	390	670	216	42.8	79.5	105	110	107.5	4.65	98.0	N/A	N/A	N/A	58.1	68.5	57.8	67.8	91.7	72.43	76.1	52.4	99.9	85.0	258	203	217	226
Beryllium	0.5	2	2.5	5	10	0.8	ND (0.5)	0.8	1.0	1.1	1.05	NC	1.1	N/A	N/A	N/A	ND (0.5)	0.7	ND (0.5)	0.6	0.7	0.6	1.0	ND (0.5)	1.1	0.6	1.5	1.3	1.4	1.4
Boron (Available) ^a	0.5	0.5	1.5	1.5	2	0.5	ND (0.5)	0.5	ND (0.5)	ND (0.5)	NC	1.9	0.8	0.7	1.13	ND (0.5)	ND (0.5)	ND (0.5)	0.8	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	N/A	N/A	N/A
Boron (total)	5.0	5	36	120	120	19.3	6.2	11.4	12.5	12.4	12.45	NC	11.8	N/A	N/A	N/A	7.0	16.3	8.3	8.1	12.6	9.67	11.6	ND (5.0)	11.5	6.2	6.2	13.2	10.0	9.8
Cadmium	0.5	1	1.2	1.2	1.9	0.6	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	NC	ND (0.5)	N/A	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chromium (vi)	0.2	0.2	0.66	10	10	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	NC	ND (0.2)	N/A	N/A	N/A	N/A	ND (0.2)	ND (0.2)	0.2	N/A	N/A	N/A	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	ND (0.2)	N/A	N/A	N/A
Chromium (Total)	5.0	5	70	160	160	40.7	20.4	22.1	30.1	30.5	30.3	1.32	30.1	N/A	N/A	N/A	9.9	22.5	22.5	34.2	39.7	32.13	27.0	28.2	31.1	24.8	41.7	45.8	52.9	46.8
Cobalt	1.0	2	22	22	100	5.2	6.5	8.9	9.9	13.5	11.7	30.77	8.1	N/A	N/A	N/A	3.6	10.0	2.8	3.0	3.5	3.1	12.0	1.9	11.4	2.3	5.7	7.6	6.5	6.6
Copper	5.0	5	92	180	300	38.4	19.1	19.1	16.5	17.8	17.15	NC	17.1	N/A	N/A	N/A	10.8	16.2	23.3	38.3	32.7	31.43	24.8	20.1	19.6	21.6	34.1	29.3	30.2	31.2
Lead	1.0	10	120	120	120	38.5	7.3	16.4	12.0	12.9	12.45	7.23	14.3	N/A	N/A	N/A	9.9	9.6	135	112	106	117.67	12.7	54.2	12.6	22.2	51.1	34.6	37.5	41.07
Mercury ^b	0.1	0.1	0.27	1.8	20	0.1	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	NC	ND (0.1)	N/A	N/A	N/A	N/A	ND (0.1)	ND (0.1)	ND (0.1)	N/A	N/A	N/A	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	ND (0.1)	N/A	N/A	N/A
Molybdenum	1.0	2	2	6.9	40	5.2	ND (1.0)	2.1	2.3	2.7	2.5	NC	1.8	N/A	N/A	N/A	1.6	2.5	2.4	4.7	4.9	4	3.8	3.0	2.6	2.4	3.2	4.5	5.1	4.27
Nickel	5.0	5	82	130	340	29.4	19.9	23.5	26.3	30.8	28.55	15.76	21.6	N/A	N/A	N/A	10.0	25.6	13.0	19.8	20.1	17.63	30.1	22.1	29.1	20.1	36.7	43.0	61.1	46.93
Selenium	1.0	1	1.5	2.4	5.5	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	N/A	N/A	N/A	N/A	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Silver	0.3	0.5	0.5	25	50	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	NC	ND (0.3)	N/A	N/A	N/A	N/A	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Thallium	1.0	1	1	3.3	3.3	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	N/A	N/A	N/A	N/A	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium	1.0	1	2.5	23	33	1.1	ND (1.0)	ND (1.0)	1.3	1.3	1.3	NC	1.7	N/A	N/A	N/A	1.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.1	ND (1.0)	1.2	ND (1.0)	1.4	1.2	1.2
Vanadium	10.0	10	86	86	86	30.6	28.7	35.3	48.4	49.5	48.95	NC	47.5	N/A	N/A	N/A	19.5	36.1	18.7	16.3	22.7	19.23	47.2	ND (10.0)	53.5	12.3	20.1	44.2	34.3	32.87
Zinc	20.0	30	290	340	340	105	54.0	65.1	69.6	68.8	69.2	NC	70.4	N/A	N/A	N/A	39.4	57.5	55.2	73.7	103	77.3	62.0	22.4	63.2	31.7	32.5	67.0	50.3	49.93

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile sample

Table 7
Summary of Metal Soil Analyses

Sample Location		Criteria 1	Criteria 2	Criteria 3	BH21		BH22		BH23		BH24		BH25		BH26		BH27		Stockpile	
Sample No.	Sample Depth (m)	EPA Standards 30 m Water Body	EPA Standards Full Depth	EPA Standards Full Depth	BH21 SA2 0.3-0.9	BH21 SA2-Rev 2506346-37	BH22 SA2 0.2-1.2	BH22 SA2 1.2-1.5	BH23 SA1 0.3-0.6	BH23 SA1b 0.3-0.6	BH23 SA1c 0.3-0.6	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5	BH23 SA2 0.6-1.5
Laboratory ID	Sample Date	Table 9 I/C/R/P/I	Table 3 R/P/I	Table 3 I/C/C	5-Feb-25	5-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25	3-Feb-25
Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date	Analysis Date
Parameters	RDL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL	RL
SAR (Unitless)	0.01	—	5	12	0.39	N/A	0.31	0.31	0.41	N/A	N/A	N/A	0.63	0.56	0.595	11.76	1.35	0.15	1.10	0.82
EC (uS/cm)	5	0.005	700	1400	1130	N/A	364	165	384	N/A	N/A	N/A	180	166	173	8.09	35.1	209	311	958
Cyanide (CN ⁻)	0.03	0.05	0.051	0.051	ND (0.03)	N/A	ND (0.03)	ND (0.03)	ND (0.03)	N/A	N/A	N/A	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	ND (0.03)	N/A	N/A	N/A
pH (range)	0.05	—	—	—	10.23	9.84	7.71	7.50	7.53	N/A	N/A	N/A	7.44	7.34	7.39	1.35	7.45	7.35	7.49	10.13
Antimony	1.0	1	1.3	7.5	50	ND (1.0)	N/A	ND (1.0)	ND (1.0)	1.3	ND (1.0)	1.3	1.2	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)	ND (1.0)
Arsenic	1.0	1	18	18	18	1.8	N/A	3.0	14.6	17.4	5.5	16.4	13.1	3.0	2.8	2.9	NC	6.7	7.7	12.1
Barium	1.0	5	220	390	670	42.7	N/A	44.9	40.2	137	107	341	195	43.6	41.7	42.65	4.45	70.5	79.3	110
Beryllium	0.5	2	2.5	5	10	ND (0.5)	N/A	ND (0.5)	0.7	0.6	0.8	0.7	0.7	ND (0.5)	ND (0.5)	ND (0.5)	NC	0.8	0.9	1.2
Boron (Available) ^a	0.5	0.5	1.5	1.5	2	0.7	N/A	ND (0.5)	0.7	N/A	N/A	N/A	ND (0.5)	ND (0.5)	ND (0.5)	NC	0.8	ND (0.5)	ND (0.5)	0.6
Boron (total)	5.0	5	36	120	120	6.8	N/A	5.6	6.0	10.6	10.4	12.4	11.13	ND (5.0)	ND (5.0)	ND (5.0)	NC	10.7	12.2	15.7
Cadmium	0.5	1	1.2	1.2	1.9	ND (0.5)	N/A	ND (0.5)	0.7	0.7	0.7	0.7	ND (0.5)	ND (0.5)	ND (0.5)	NC	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chromium (vi)	0.2	0.2	0.66	10	10	0.4	N/A	ND (0.2)	ND (0.2)	N/A	N/A	N/A	ND (0.2)	ND (0.2)	ND (0.2)	NC	ND (0.2)	ND (0.2)	ND (0.2)	N/A
Chromium (Total)	5.0	5	70	160	160	11.9	N/A	15.0	31.7	43.7	32.2	47.2	41.03	22.9	20.6	21.75	NC	21.5	25.4	34.0
Cobalt	1.0	2	22	22	100	1.2	N/A	2.3	10.5	6.9	8.3	6.3	7.17	7.1	6.2	6.65	13.53	7.6	8.0	14.4
Copper	5.0	5	92	180	300	11.3	N/A	14.4	22.0	63.6	41.8	58.1	54.5	15.2	12.8	14	NC	20.8	20.8	24.4
Lead	1.0	10	120	120	120	7.3	N/A	106	13.8	23.9	16.8	25.3	22	7.2	6.8	7	5.71	14.4	16.5	18.1
Mercury ^b	0.1	0.1	0.27	1.8	20	ND (0.1)	N/A	ND (0.1)	ND (0.1)	N/A	N/A	N/A	ND (0.1)	ND (0.1)	ND (0.1)	NC	ND (0.1)	ND (0.1)	ND (0.1)	N/A
Molybdenum	1.0	2	2	6.9	40	1.7	N/A	1.7	3.4	8.7	2.4	11.4	7.5	2.1	2.3	2.2	NC	1.3	2.0	3.4
Nickel	5.0	5	82	130	340	6.9	N/A	8.9	27.1	39.5	26.3	31.3	32.37	20.0	18.1	19.05	NC	21.8	22.9	36.6
Selenium	1.0	1	1.5	2.4	5.5	ND (1.0)	N/A	ND (1.0)	1.8	ND (1.0)	1.7	1.5	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Silver	0.3	0.5	0.5	25	50	ND (0.3)	N/A	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	NC	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Thallium	1.0	1	1	3.3	33	ND (1.0)	N/A	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium	1.0	1	2.5	23	33	ND (1.0)	N/A	ND (1.0)	ND (1.0)	1.3	1.4	1.23	ND (1.0)	ND (1.0)	ND (1.0)	NC	ND (1.0)	1.2	1.2	ND (1.0)
Vanadium	10.0	10	86	86	86	ND (10.0)	N/A	14.2	54.2	25.3	45.3	30.8	33.8	30.5	28.9	29.7	NC	32.7	38.4	55.6
Zinc	20.0	30	290	340	340	ND (20.0)	N/A	22.8	80.4	81.0	89.1	95.8	88.63	52.9	40.3	46.6	NC	62.4	79.3	88.2

Table 9 only pertains to MW11 and the stockpile sample S-SA3

Table 3 RPI only pertains to MW1 to MW5, MW8, MW9, BH14 to BH18, BH26, and BH27

Table 3 ICC only pertains to MW6, MW7, MW10, MW12, MW13, BH19 to BH25, and stockpile samples

Table 8
Summary of Petroleum Hydrocarbons & Volatile Organic Compound Ground Water Analyses

Parameters	Sample ID		Criteria 1	Criteria 2	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8
	Laboratory ID	Sample Date	EPA Standards 30 m Water Body Non-Potable Table 9	EPA Standards Full Depth Non-Potable Table 3 Fine	WT2505933-001 19-Mar-25 31-Mar-25	WT2505933-002 19-Mar-25 31-Mar-25	WT2505933-003 19-Mar-25 31-Mar-25	WT2505933-004 19-Mar-25 31-Mar-25	WT2505933-005 19-Mar-25 31-Mar-25	WT2505933-006 20-Mar-25 31-Mar-25	WT2505933-007 20-Mar-25 31-Mar-25	WT2505933-008 20-Mar-25 31-Mar-25
Parameters	RDL	RL										
Petroleum Hydrocarbons (PHCs)												
PHC F1 (C6-C10) ^a	25	25	420	750	<25	84	<25	<25	<25	<25	<25	<25
PHC F2 (>C10 - C16)	100	100	150	150	<100	<100	<100	<100	<100	<100	<100	<100
PHC F3 (>C16 - C34)	250	500	500	500	<250	<250	<250	<250	<250	<250	<250	<250
PHC F4 (>C34)	250	500	500	500	<250	<250	<250	<250	<250	<250	<250	<250
Volatile Organic Compounds (VOCs)												
Acetone	20	30	100000	130000	<20	<20	<20	<20	<20	<20	<20	<20
Benzene	0.50	0.5	44	430	<0.50	8.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	0.50	2	67000	85000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	0.50	5	380	770	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	0.50	0.5	5.6	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon Tetrachloride	0.20	0.2	0.79	8.4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene (Monochlorobenzene)	0.50	0.5	500	630	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	0.50	1	2.4	22	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	0.50	2	65000	82000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromomethane, 1,2	0.20	5	0.25	5500	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobenzene, 1,2- (o-DCB)	0.50	0.5	4600	9600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,3- (m-DCB)	0.50	0.5	7600	9600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,4- (p-DCB)	0.50	0.5	8	67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	0.50	2	3500	4400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethane, 1,1- (1,1-DCA)	0.50	0.5	320	3100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethane, 1,2- (1,2-DCA)	0.50	0.5	1.6	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, 1,1- (1,1-DCE)	0.50	0.5	1.6	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, cis-1,2- (c-1,2-DCE)	0.50	0.5	1.6	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, trans-1,2- (t-1,2-DCE)	0.50	0.5	1.6	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloromethane	1.0	1	610	5500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloropropane, 1,2-	0.50	0.5	16	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropene, 1,3-	0.50	0.5	5.2	45	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropene, cis-1,3-	0.30	0.5	-	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dichloropropene, trans-1,3-	0.30	0.5	-	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	0.50	0.5	1800	2300	<0.50	8.96	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexane	0.50	5	51	520	<0.50	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl Ethyl Ketone (MEK)	20	20	470000	1500000	<20	<20	<20	<20	<20	<20	<20	<20
Methyl Isobutyl Ketone (MIBK)	20	20	140000	580000	<20	<20	<20	<20	<20	<20	<20	<20
Methyl Tert Butyl Ether (MTBE)	0.50	2	190	1400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	0.50	0.5	1300	9100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,1,2-	0.50	0.5	3.4	28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,2,2-	0.50	0.5	3.2	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene (PCE)	0.50	0.5	1.6	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	0.50	0.5	14000	18000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethane, 1,1,1- (1,1,1-TCA)	0.50	0.5	640	6700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethane, 1,1,2- (1,1,2-TCA)	0.50	0.5	4.7	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene (TCE)	0.50	0.5	1.6	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	0.50	5	2000	2500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl Chloride	0.50	0.5	0.5	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylenes, m,p-	0.40	-	-	-	<0.40	0.41	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene, o-	0.30	-	-	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes (total)	0.50	0.5	3300	4200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

MW9				MW10				MW11				MW12				MW13				QA/QC				
MW9	DUPW-WD2	AVG	RPD	MW10	MW11	DUPW-WD1	AVG	RPD	MW12	MW13	Field Blank 1	Trip Blank 1	Trip Spike 1	Trip Blank 2	Trip Spike 2									
WT2505933-009	WT2505933-015			WT2505933-010	WT2505933-011	WT2505933-014			WT2505933-012	WT2505933-013	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021									
19-Mar-25	19-Mar-25			19-Mar-25	19-Mar-25	19-Mar-25			19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25									
31-Mar-25	31-Mar-25			31-Mar-25	31-Mar-25	31-Mar-25			31-Mar-25	31-Mar-25	31-Mar-25	31-Mar-25	31-Mar-25	31-Mar-25	31-Mar-25									
<25	<25	<25	NC	<25	<25	<25	<25	NC	<25	<25	<25	<25	69.5	<25	71.1									
<100	<100	<100	NC	<100	<100	<100	<100	NC	<100	<100	-	-	-	-	-									
<250	<250	<250	NC	<250	<250	<250	<250	NC	<250	<250	-	-	-	-	-									
<250	<250	<250	NC	<250	<250	<250	<250	NC	<250	<250	-	-	-	-	-									
<20	<20	<20	NC	<20	<20	<20	<20	NC	<20	<20	<20	<20	129.3	<20	115.29									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	104.22	<0.50	103.96									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	113.81	<0.50	110.53									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	108.67	<0.50	104.1									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	83.78	<0.50	84.39									
<0.20	<0.20	<0.20	NC	<0.20	<0.20	<0.20	<0.20	NC	<0.20	<0.20	<0.20	<0.20	117.32	<0.20	120.36									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	108.2	<0.50	107.67									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	117.66	<0.50	116.82									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	121.13	<0.50	115.61									
<0.20	<0.20	<0.20	NC	<0.20	<0.20	<0.20	<0.20	NC	<0.20	<0.20	<0.20	<0.20	105.73	<0.20	98.81									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	99.63	<0.50	98.95									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	98.76	<0.50	100.42									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	96.7	<0.50	97.88									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	69.67	<0.50	76.29									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	110.29	<0.50	94.46									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	110.78	<0.50	104.7									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	104.88	<0.50	107.92									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	114.42	<0.50	113.37									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	112.39	<0.50	114.19									
<1.0	<1.0	<1.0	NC	<1.0	<1.0	<1.0	<1.0	NC	<1.0	<1.0	<1.0	<1.0	113.24	<1.0	110.69									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	106.85	<0.50	104.03									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	-	<0.50	-									
<0.30	<0.30	<0.30	NC	<0.30	<0.30	<0.30	<0.30	NC	<0.30	<0.30	<0.30	<0.30	91.08	<0.30	86.94									
<0.30	<0.30	<0.30	NC	<0.30	<0.30	<0.30	<0.30	NC	<0.30	<0.30	<0.30	<0.30	84.47	<0.30	79.78									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	99.75	<0.50	100.96									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	71.81	<0.50	61.04									
<20	<20	<20	NC	<20	<20	<20	<20	NC	<20	<20	<20	<20	98.27	<20	86.67									
<20	<20	<20	NC	<20	<20	<20	<20	NC	<20	<20	<20	<20	99.96	<20	87.35									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	95.18	<0.50	95.06									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	103.27	<0.50	101.23									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	113.09	<0.50	111.15									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	104.88	<0.50	98.98									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	109.63	<0.50	113.38									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	99.75	<0.50	100.74									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	111.05	<0.50	113.5									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	103.59	<0.50	98.19									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	115.71	<0.50	117.81									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	104.81	<0.50	109.6									
<0.20	<0.20	<0.20	NC	<0.20	<0.20	<0.20	<0.20	NC	<0.20	<0.20	<0.20	<0.20	92.4	<0.20	96.35									
<0.40	<0.40	<0.40	NC	<0.40	<0.40	<0.40	<0.40	NC	<0.40	<0.40	<0.40	<0.40	98.5	<0.40	100									
<0.30	<0.30	<0.30	NC	<0.30	<0.30	<0.30	<0.30	NC	<0.30	<0.30	<0.30	<0.30	99.37	<0.30	99.68									
<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	-	<0.50	-									

Table 9
Summary of Polycyclic Aromatic Hydrocarbon Ground Water Analyses

Sample ID		Criteria 1 EPA Standards 30 m Water Body Non-Potable Table 9		Criteria 2 EPA Standards Full Depth Non-Potable Table 3 Fine	MW1 WT2505933-001 19-Mar-25 31-Mar-25	MW2 WT2505933-002 19-Mar-25 31-Mar-25	MW3 WT2505933-003 19-Mar-25 31-Mar-25	MW4 WT2505933-004 19-Mar-25 31-Mar-25	MW5 WT2505933-005 19-Mar-25 31-Mar-25	MW6 WT2505933-006 20-Mar-25 31-Mar-25	MW7 WT2505933-007 20-Mar-25 31-Mar-25	MW8 WT2505933-008 20-Mar-25 31-Mar-25
Laboratory ID Sample Date Analysis Date												
Parameters	RDL	RL										
Acenaphthene	0.010	0.010	600	1700	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	0.010	0.010	1.4	1.8	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	0.010	0.010	1	2.4	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[a]anthracene	0.010	0.010	1.8	4.7	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[a]pyrene	0.0050	0.0050	0.81	0.81	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benzo[b+g,h,i]fluoranthene	0.010	0.010	0.75	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[g,h,i]perylene	0.010	0.010	0.2	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo[k]fluoranthene	0.010	0.010	0.4	0.4	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chrysene	0.010	0.010	0.7	1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenzo[a,h]anthracene	0.0050	0.0050	0.4	0.52	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoranthene	0.010	0.010	73	130	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	0.010	0.010	290	400	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno[1,2,3-cd]pyrene	0.010	0.010	0.2	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 1-2-e	0.015	0.015	1500	1800	<0.015	0.237	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015
Methylnaphthalene, 1-e	0.010	0.010	1500	1800	<0.010	0.132	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 2-e	0.010	0.010	1500	1800	<0.010	0.105	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Naphthalene	0.050	0.050	1400	6400	<0.050	<0.600	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	0.020	0.020	380	580	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Pyrene	0.010	0.010	5.7	68	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010

Table 9
Summary of Polycyclic Aromatic Hydrocarbon Ground Water An

Sample ID Laboratory ID Sample Date Analysis Date			Criteria 1	Criteria 2	MW9				MW10 WT2505933-010 19-Mar-25 31-Mar-25	MW11				MW12 WT2505933-012 19-Mar-25 31-Mar-25	MW13 WT2505933-013 19-Mar-25 31-Mar-25
			EPA Standards 30 m Water Body Non-Potable Table 9	EPA Standards Full Depth Non-Potable Table 3	MW9 WT2505933-009 19-Mar-25 31-Mar-25	DUPW-WD2 WT2505933-015 19-Mar-25 31-Mar-25	AVG	RPD		MW11 WT2505933-011 19-Mar-25 31-Mar-25	DUPW-WD1 WT2505933-014 19-Mar-25 31-Mar-25	AVG	RPD		
Parameters	RDL	RL		Fine											
Acenaphthene	0.010	0.010	600	1700	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Acenaphthylene	0.010	0.010	1.4	1.8	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Anthracene	0.010	0.010	1	2.4	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Benzo[a]anthracene	0.010	0.010	1.8	4.7	<0.010	<0.010	<0.010	NC	<0.010	0.010	<0.010	<0.010	NC	<0.010	<0.010
Benzo[a]pyrene	0.0050	0.0050	0.81	0.81	<0.0050	<0.0050	<0.0050	NC	<0.0050	<0.0050	<0.0050	<0.0050	NC	<0.0050	<0.0050
Benzo[b+j]fluoranthene	0.010	0.010	0.75	-	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Benzo[g,h,i]perylene	0.010	0.010	0.2	0.2	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Benzo[k]fluoranthene	0.010	0.010	0.4	0.4	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Chrysene	0.010	0.010	0.7	1	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Dibenzo[a,h]anthracene	0.0050	0.0050	0.4	0.52	<0.0050	<0.0050	<0.0050	NC	<0.0050	<0.0050	<0.0050	<0.0050	NC	<0.0050	<0.0050
Fluoranthene	0.010	0.010	73	130	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Fluorene	0.010	0.010	290	400	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Indeno[1,2,3-cd]pyrene	0.010	0.010	0.2	0.2	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Methylnaphthalene, 1-2-e	0.015	0.015	1500	1800	0.066	0.075	0.0705	NC	<0.015	<0.015	<0.015	<0.015	NC	<0.015	<0.015
Methylnaphthalene, 1-e	0.010	0.010	1500	1800	0.038	0.043	0.0405	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Methylnaphthalene, 2-e	0.010	0.010	1500	1800	0.028	0.032	0.03	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010
Naphthalene	0.050	0.050	1400	6400	0.075	0.083	0.079	NC	<0.050	<0.050	<0.050	<0.050	NC	<0.050	<0.050
Phenanthrene	0.020	0.020	380	580	<0.020	<0.020	<0.020	NC	<0.020	<0.020	<0.020	<0.020	NC	<0.020	<0.020
Pyrene	0.010	0.010	5.7	68	<0.010	<0.010	<0.010	NC	<0.010	<0.010	<0.010	<0.010	NC	<0.010	<0.010

Table 10
Summary of Metal Ground Water Analyses

Parameters	Sample ID		Criteria 1	Criteria 2	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8
	Laboratory ID		EPA Standards	EPA Standards	WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007	WT2505933-008
	Sample Date	Analysis Date	30 m Water Body Non-Potable Table 9	Full Depth Non-Potable Table 3 Fine	19-Mar-25 31-Mar-25	19-Mar-25 31-Mar-25	19-Mar-25 31-Mar-25	19-Mar-25 31-Mar-25	19-Mar-25 31-Mar-25	20-Mar-25 31-Mar-25	20-Mar-25 31-Mar-25	20-Mar-25 31-Mar-25
RDL	RL											
Cyanide	2	2	52	66	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Conductivity	0.001	0.001	-	-	2.33	2.02	1.62	1.58	2.75	3.87	2.65	3.45
pH	0.1	0.1	-	-	7.69	7.78	7.82	7.85	7.85	7.53	8.01	8.02
Chloride	500	500	1800000	2300000	339000	303000	39600	148000	105000	48700	30300	31600
Mercury	0.0050	0.0050	0.29	2.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Antimony	0.10	0.10	16000	20000	1.02	<1.00	<1.00	0.51	<1.00	<1.00	<1.00	<1.00
Arsenic	0.10	0.10	1500	1900	<1.00	<1.00	<1.00	0.43	1.98	<1.00	<1.00	<1.00
Barium	0.10	0.10	23000	2900	41.7	50.5	32.6	59.3	33.0	24.4	38.1	29.7
Beryllium	0.020	0.020	53	67	<0.200	<0.200	<0.200	<0.020	<0.200	<0.200	<0.200	<0.200
Boron (total)	10	10	36000	45000	445	274	469	191	392	480	424	509
Cadmium	0.0050	0.0050	2.1	2.7	0.116	0.100	0.0750	0.112	<0.0500	0.106	0.0680	0.160
Chromium (VI)	0.5	0.5	110	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chromium (total)	0.50	0.50	640	810	<5.00	<5.00	<5.00	<0.50	<5.00	<5.00	<5.00	<5.00
Cobalt	0.10	0.10	52	66	2.49	11.6	6.05	8.34	11.9	10.9	<1.00	13.0
Copper	0.20	0.20	69	87	<2.00	<2.00	<2.00	4.57	<2.00	<2.00	2.76	2.48
Lead	0.050	0.050	20	25	<0.500	<0.500	<0.500	<0.050	<0.500	<0.500	<0.500	<0.500
Molybdenum	0.050	0.050	7300	9200	35.3	34.7	42.4	8.41	22.2	29.0	35.8	22.1
Nickel	0.50	0.50	390	490	17.6	10.7	9.88	6.76	19.8	29.0	13.1	25.7
Selenium	0.050	0.050	50	63	4.74	1.04	2.73	0.704	1.31	1.63	2.96	2.52
Silver	0.010	0.010	1.2	1.5	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.100	<0.100
Sodium	50	50	1800000	2300000	72400	93400	67000	65000	91300	141000	94700	124000
Thallium	0.010	0.010	400	510	<0.100	<0.100	<0.100	0.022	<0.100	<0.100	<0.100	<0.100
Uranium	0.010	0.010	330	420	18.3	18.1	13.4	15.8	19.4	28.4	21.1	29.0
Vanadium	0.50	0.50	200	250	<5.00	<5.00	<5.00	<0.50	<5.00	<5.00	<5.00	<5.00
Zinc	1.0	1.0	890	1100	<10.0	13.4	<10.0	4.3	10.1	<10.0	<10.0	14.3

Table 10
Summary of Metal Ground Water Analyses

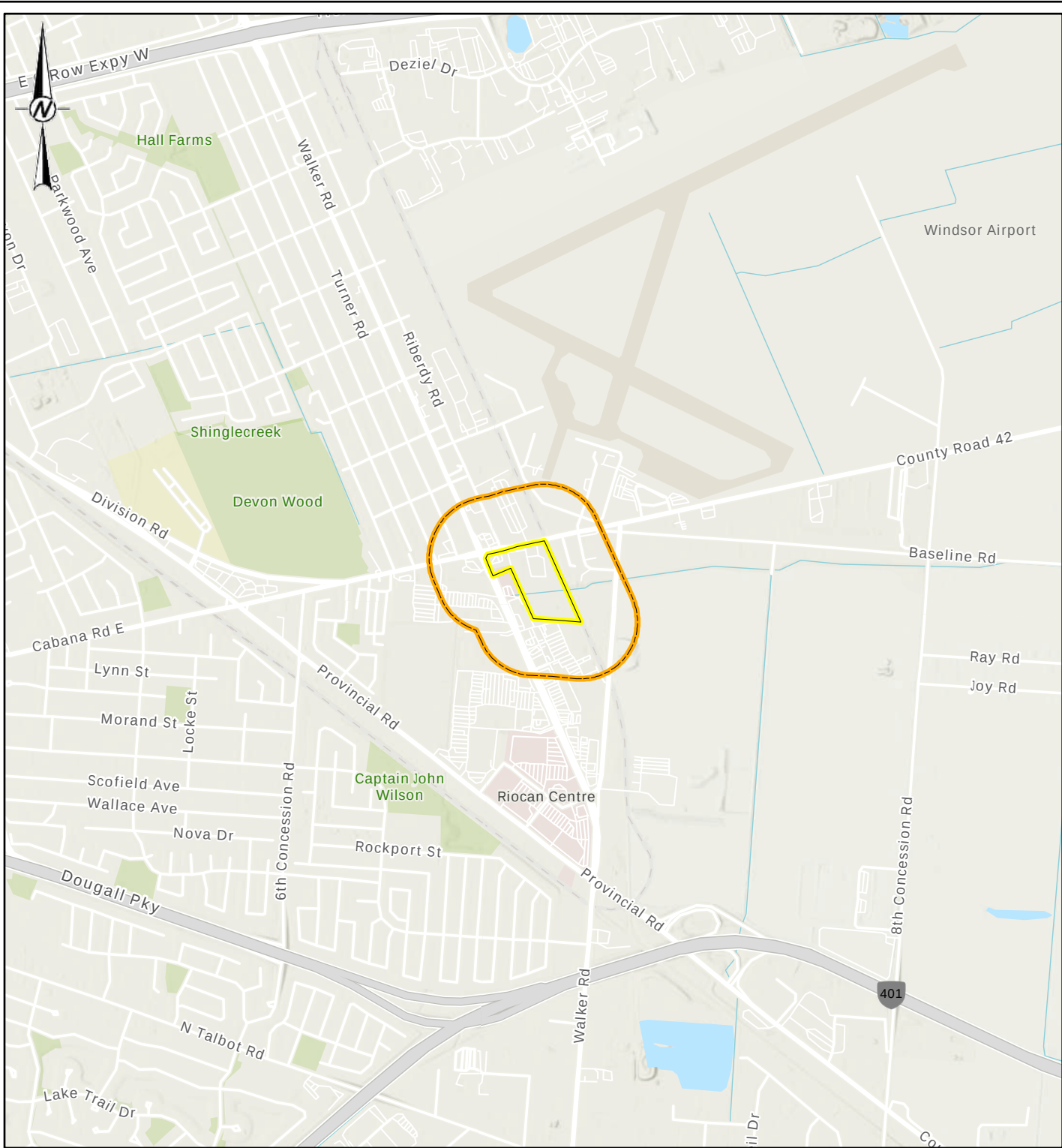
Parameters	Sample ID		Criteria 1	Criteria 2	MW9				MW10	MW11				MW12	MW13
	Laboratory ID		EPA Standards	EPA Standards	MW9	DUPW-WD2	AVG	RPD	MW10	MW11	DUPW-WD1	AVG	RPD	MW12	MW13
	Sample Date	Analysis Date	30 m Water Body Non-Potable Table 9	Full Depth Non-Potable Table 3 Fine	WT2505933-009 19-Mar-25 31-Mar-25	WT2505933-015 19-Mar-25 31-Mar-25			WT2505933-010 19-Mar-25 31-Mar-25	WT2505933-011 19-Mar-25 31-Mar-25	WT2505933-014 19-Mar-25 31-Mar-25			WT2505933-012 19-Mar-25 31-Mar-25	WT2505933-013 19-Mar-25 31-Mar-25
	RDL	RL													
Cyanide	2	2	52	66	<2.0	<2.0	<2.0	NC	<2.0	<2.0	<2.0	<2.0	NC	<2.0	<2.0
Conductivity	0.001	0.001	-	-	1.57	1.58	1.575	0.63	0.693	2.98	3.04	3.01	1.99	3.09	2.05
pH	0.1	0.1	-	-	11.99	11.97	11.98	0.17	7.56	7.65	7.45	7.55	2.65	7.77	7.56
Chloride	500	500	1800000	2300000	59900	60600	60250	1.16	36200	763000	753000	758000	1.32	14100	7270
Mercury	0.0050	0.0050	0.29	2.8	<0.0050	<0.0050	<0.0050	NC	<0.0050	<0.0050	<0.0050	<0.0050	NC	<0.0050	<0.0050
Antimony	0.10	0.10	16000	20000	2.23	<1.00	1.615	NC	<0.10	<1.00	<1.00	<1.00	NC	<1.00	<1.00
Arsenic	0.10	0.10	1500	1900	18.6	1.83	10.215	164.17	3.07	<1.00	<1.00	<1.00	NC	<1.00	<1.00
Barium	0.10	0.10	23000	2900	557	56.9	306.95	162.93	52.0	125	123	124	1.61	26.0	26.6
Beryllium	0.020	0.020	53	67	<0.200	<0.200	<0.200	NC	<0.020	<0.200	<0.200	<0.200	NC	<0.200	<0.200
Boron (total)	10	10	36000	45000	<100	<100	<100	NC	48	<100	<100	<100	NC	525	453
Cadmium	0.0050	0.0050	2.1	2.7	0.238	<0.0500	0.144	NC	<0.0050	0.0870	0.0560	0.0715	43.36	0.135	0.0670
Chromium (VI)	0.5	0.5	110	140	<0.50	<0.50	<0.50	NC	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50
Chromium (total)	0.50	0.50	640	810	<5.00	<5.00	<5.00	NC	<0.50	<5.00	<5.00	<5.00	NC	<5.00	<5.00
Cobalt	0.10	0.10	52	66	2.14	<1.00	1.57	NC	0.15	2.91	2.79	2.85	4.21	4.59	5.55
Copper	0.20	0.20	69	87	6.37	<2.00	4.185	NC	<0.20	<2.00	<2.00	<2.00	NC	<2.00	<2.00
Lead	0.050	0.050	20	25	0.733	<0.500	0.62	NC	<0.050	<0.500	<0.500	<0.500	NC	<0.500	<0.500
Molybdenum	0.050	0.050	7300	9200	1260	117	688.5	166.01	4.05	20.0	20.0	20	0.00	23.2	28.6
Nickel	0.50	0.50	390	490	28.6	<5.00	16.8	NC	0.56	<5.00	<5.00	<5.00	NC	34.4	18.0
Selenium	0.050	0.050	50	63	42.4	3.57	22.985	168.94	0.114	<0.500	<0.500	<0.500	NC	3.84	1.96
Silver	0.010	0.010	1.2	1.5	<0.100	<0.100	<0.100	NC	<0.010	<0.100	<0.100	<0.100	NC	<0.100	<0.100
Sodium	50	50	1800000	2300000	485000	49900	267450	162.68	21300	146000	141000	143500	3.48	78800	64500
Thallium	0.010	0.010	400	510	<0.100	<0.100	<0.100	NC	<0.010	<0.100	<0.100	<0.100	NC	<0.100	<0.100
Uranium	0.010	0.010	330	420	<0.100	<0.100	<0.100	NC	0.118	1.98	1.91	1.945	3.60	44.9	22.6
Vanadium	0.50	0.50	200	250	11.7	<5.00	8.35	NC	<0.50	<5.00	<5.00	<5.00	NC	<5.00	<5.00
Zinc	1.0	1.0	890	1100	<10.0	<10.0	<10.0	NC	<1.0	<10.0	<10.0	<10.0	NC	<10.0	<10.0

Table 11

Summary of Polychlorinated Biphenyls Groundwater Analyses

Sample Location Sample ID Laboratory ID Sample Date Analysis Date			Criteria 1	Criteria 2	MW10	MW11
Parameters			EPA Standards 30 m Water Body Non-Potable Table 9	EPA Standards Full Depth Non-Potable Table 3 Fine	WT2505933-010 19-Mar-25 31-Mar-25	WT2505933-011 19-Mar-25 31-Mar-25
RDL	RL					
Polychlorinated Biphenyls	0.06	0.06	0.2	15	<0.060	<0.060

Figures



LEGEND

-  PHASE TWO PROPERTY BOUNDARY
-  PHASE TWO STUDY AREA



NOTE(S)

1. BASE MAP: PROVINCE OF ONTARIO, ESRI CANADA, ESRI, TOMTOM, GARMIN, SAFEGRAPH, GEOTECHNOLOGIES, INC, METI/NASA, USGS, EPA, NPS, US CENSUS BUREAU, USDA, USFWS, NRCAN, PARKS CANADA, ESRI, NASA, NSA, USGS, FEMA
2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

REFERENCE(S)

1. BASE MAP: PROVINCE OF ONTARIO, ESRI CANADA, ESRI, TOMTOM, GARMIN, SAFEGRAPH, GEOTECHNOLOGIES, INC, METI/NASA, USGS, EPA, NPS, US CENSUS BUREAU, USDA, USFWS, NRCAN, PARKS CANADA, ESRI, NASA, NSA, USGS, FEMA
2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT

391568 ONTARIO INC.

PROJECT

**PHASE TWO ENVIRONMENTAL SITE ASSESSMENT,
0, 0, 2375, 2385, 2415 CABANA ROAD EAST, 4040
WALKER ROAD, WINDSOR, ONTARIO**

TITLE

KEY PLAN

CONSULTANT



YYYY-MM-DD 2025-05-09

DESIGNED DS

PREPARED AR

REVIEWED DS

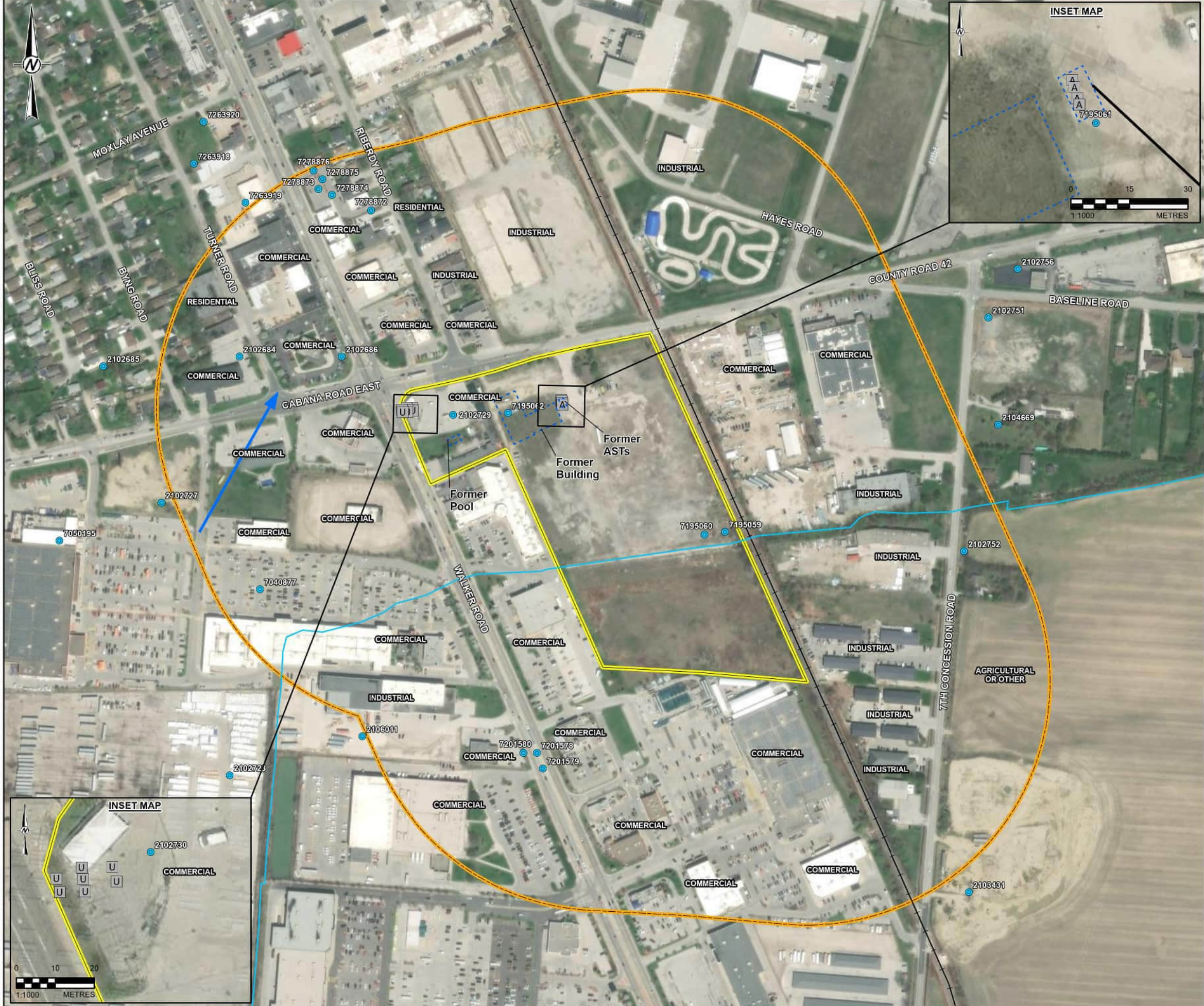
APPROVED CM

PROJECT NUMBER
CA0046126.8978

CONTROL
0002

REV.
0

FIGURE
1



LEGEND

- WELL RECORD
- FORMER AST
- FORMER UST
- INFERRED GROUNDWATER FLOW DIRECTION
- RAILWAY
- WATERCOURSE
- PHASE TWO PROPERTY BOUNDARY
- PHASE TWO STUDY AREA

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
2. BASE MAP: MAXAR, MICROSOFT, MAXAR.
3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N.

CLIENT

391568 ONTARIO INC.

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT,
0, 0, 2375, 2385, 2415 CABANA ROAD EAST, 4040
WALKER ROAD, WINDSOR, ONTARIO

TITLE

GENERALIZED SITE PLAN

CONSULTANT	YYYY-MM-DD	2025-05-09
DESIGNED	DS	
PREPARED	AR	
REVIEWED	DS	
APPROVED	CM	

PROJECT NUMBER

CA0046126.8978

CONTROL

0002

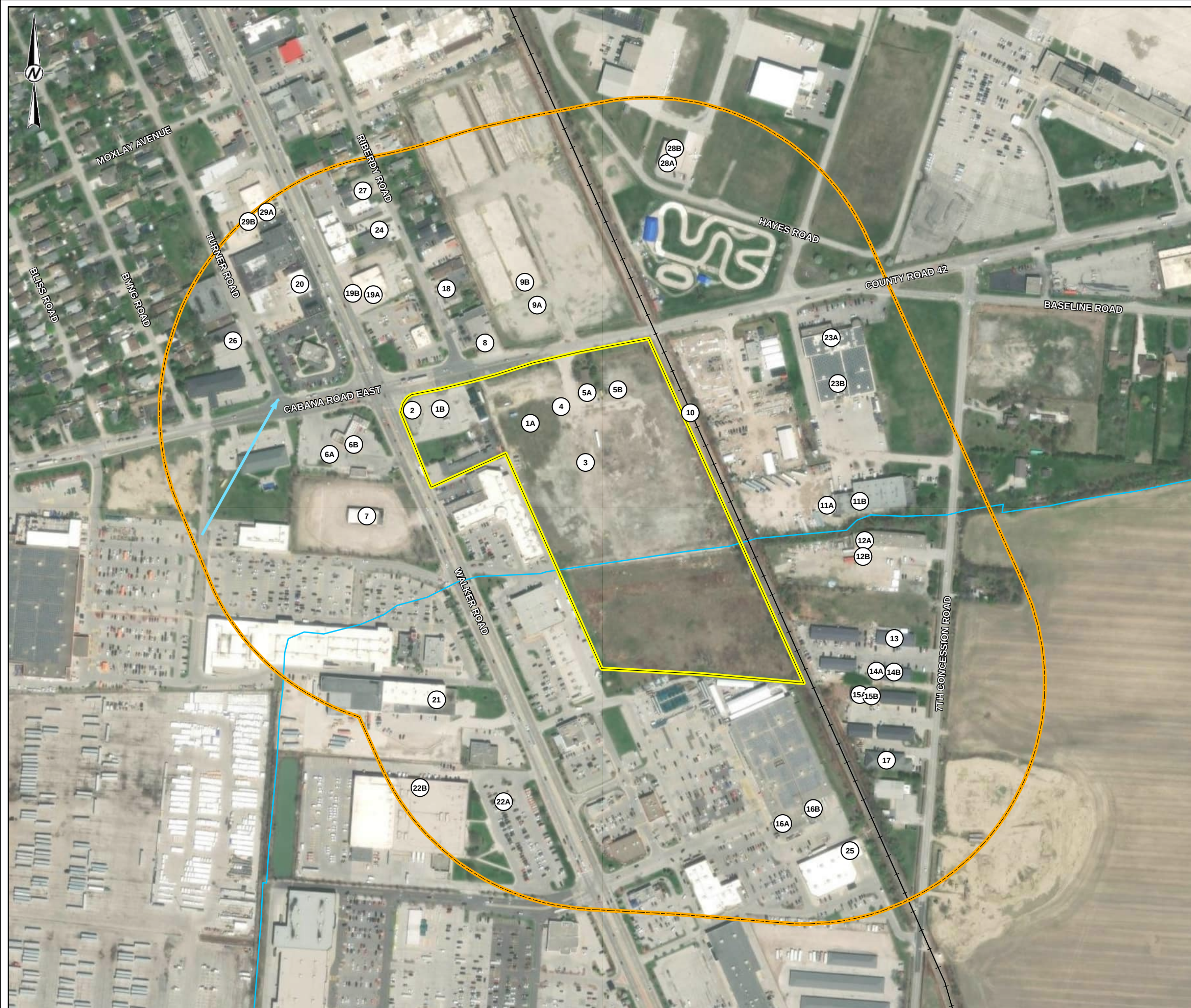
REV.

0

FIGURE

2

wsp



LEGEND



PCA LOCATION



WATERCOURSE



RAILWAY



INFERRED GROUNDWATER FLOW DIRECTION



PHASE TWO PROPERTY BOUNDARY



PHASE TWO STUDY AREA

LABEL	PCA	PCA DESCRIPTION
1A	30 - IMPORTATION OF FILL MATERIAL OF UNKNOWN QUALITY	IMPORTED FILL (ACROSS SITE)
1B	OTHER	WINTER SALTING OF PARKING LOTS (ENTIRE SITE)
2	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	HISTORICAL USTS (7)
3	12 - CONCRETE, CEMENT AND LIME MANUFACTURING	HISTORICAL CONCRETE PIPE MANUFACTURER (2415 DIVISION ROAD)
4	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	HISTORICAL ASTS (4)
5A	OTHER	HISTORICAL DIESEL SPILL (150 L)
5B	OTHER	HISTORICAL DIESEL SPILL (150 L)
6A	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	RETAIL FUEL OUTLET
6B	10 - COMMERCIAL AUTOBODY SHOPS	FORMER AUTOMOTIVE SERVICE STATION
7	11 - COMMERCIAL TRUCKING AND CONTAINER TERMINALS	FORMER TRUCKING AND CONTAINER TERMINAL
8	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	FORMER RETAIL FUEL OUTLET
9A	52 - STORAGE, MAINTENANCE, FUELLING AND REPAIR OF EQUIPMENT, VEHICLES, AND MATERIAL USED TO MAINTAIN TRANSPORTATION SYSTEMS	HISTORICAL ASTS AT SEMI-TRUCK STORAGE LOT
9B	OTHER	HISTORICAL INDUSTRIAL OPERATIONS
10	46 - RAIL YARDS, TRACKS AND SPURS	CHESAPEAKE & OHIO RAILWAY
11A	52 - STORAGE, MAINTENANCE, FUELLING AND REPAIR OF EQUIPMENT, VEHICLES, AND MATERIAL USED TO MAINTAIN TRANSPORTATION SYSTEMS	SEMI-TRUCK REPAIR SHOP
11B	OTHER	HISTORICAL HWIN WASTE GENERATOR
12A	10 - COMMERCIAL AUTOBODY SHOPS	HISTORICAL AUTOMOTIVE SERVICE STATION
12B	OTHER	INDUSTRIAL OPERATIONS AND HWIN WASTE GENERATOR
13	OTHER	INDUSTRIAL OPERATION
14A	10 - COMMERCIAL AUTOBODY SHOPS	AUTOBODY SHOP
14B	OTHER	HISTORICAL INDUSTRIAL OPERATIONS AND HWIN WASTE GENERATOR
15A	34 - METAL FABRICATION	METAL FABRICATOR
15B	OTHER	INDUSTRIAL OPERATION
16A	10 - COMMERCIAL AUTOBODY SHOPS	AUTOMOTIVE SERVICE GARAGE
16B	OTHER	HWIN WASTE GENERATOR AND SPILL SITE
17	OTHER	INDUSTRIAL OPERATION AND HWIN WASTE GENERATOR
18	OTHER	INDUSTRIAL OPERATION AND HWIN WASTE GENERATOR
19A	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	HISTORICAL FUEL TANKS
19B	OTHER	HYDRAULIC OIL SPILL
20	OTHER	HWIN WASTE GENERATOR
21	OTHER	INDUSTRIAL OPERATION AND HWIN WASTE GENERATOR
22A	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	WASTE OIL STORAGE SITE
22B	OTHER	HWIN WASTE GENERATOR, SPILL SITE, PCB STORAGE SITE
23A	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	FUEL STORAGE TANKS
23B	OTHER	HWIN WASTE GENERATOR
24	OTHER	HWIN WASTE GENERATOR
25	OTHER	HWIN WASTE GENERATOR
26	OTHER	TRANSFORMER OIL SPILL IN 1988
27	OTHER	HWIN WASTE GENERATOR
28A	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	FUEL STORAGE TANKS
28B	OTHER	HWIN WASTE GENERATOR
29A	28 - GASOLINE AND ASSOCIATED PRODUCTS STORAGE IN FIXED TANKS	FUEL STORAGE TANKS
29B	OTHER	HWIN WASTE GENERATOR, DIESEL SPILL SITE

0100200



1:4,000METRES

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.

2. BASE MAP: MAXAR.

3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N.

CLIENT

391568 ONTARIO INC.

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT, 0, 0, 2375, 2385, 2415 CABANA ROAD EAST, 4040 WALKER ROAD, WINDSOR, ONTARIO

TITLE

POTENTIALLY CONTAMINATING ACTIVITIES

CONSULTANT



YYYY-MM-DD

2025-05-09

DESIGNED

DS

PREPARED

AR

REVIEWED

DS

APPROVED

CM

PROJECT NUMBER

CA0046126.8978

CONTROL

0002

REV.

0

FIGURE

3



LEGEND

WATERCOURSE

PHASE TWO PROPERTY BOUNDARY

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

APEC 1 & 2

APEC 3

APEC 4

APEC 5

APEC 6A

APEC 6B

APEC 7

APEC 8

APEC 9

LABEL	DESCRIPTION
APEC 1	IMPORTED FILL
APEC 2	WINTER SALTING OF PARKING LOT
APEC 3	HISTORICAL USTS (7)
APEC 4	HISTORICAL CONCRETE PIPE MANUFACTURER
APEC 5	HISTORICAL ASTS (4)
APEC 6A	2020 DIESEL SPILL
APEC 6B	2019 DIESEL SPILL
APEC 7	CURRENT RETAIL FUEL OUTLET, HISTORICAL AUTOMOTIVE SERVICE, AND FORMER TRUCKING & CONTAINER TERMINAL ALONG WALKER ROAD
APEC 8	HISTORICAL RETAIL FUEL OUTLET, FUEL TANKS, AND INDUSTRIAL OPERATIONS ALONG THE NORTH SIDE OF DIVISION ROAD
APEC 9	CHESAPEAKE & OHIO RAILWAY, INDUSTRIAL AND AUTOMOTIVE SERVICE OPERATIONS ALONG 7TH CONCESSION ROAD

NOTE(S)

1. PCA DESCRIPTIONS ARE PRESENTED IN FIGURE 3.

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
2. BASE MAP: MAXAR, MICROSOFT.
3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N.

CLIENT

391568 ONTARIO INC.

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT,
0, 0, 2375, 2385, 2415 CABANA ROAD EAST, 4040
WALKER ROAD, WINDSOR, ONTARIO

TITLE

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CONSULTANT

YYYY-MM-DD

2025-05-09

DESIGNED

CM

PREPARED

AR

REVIEWED

DS

APPROVED

CM

PROJECT NUMBER

CA0046126.8978

CONTROL

0002

REV.

0

FIGURE

4



LEGEND

- BOREHOLE
- MONITORING WELL
- STOCKPILE SAMPLES
- EXCEEDS TABLE 3 ICC SCS
- EXCEEDS TABLE 9 RPIIC SCS
- EXCEEDS TABLE 3 RPI SCS
- BELOW APPLICABLE SCS
- RAILWAY
- WATERCOURSE
- 30M BUFFER FROM SIXTH CONCESSION DRAIN
- PHASE TWO PROPERTY BOUNDARY
- RSC PROPERTY BOUNDARY
- SURVEY PARCEL

0 30 60
1:1,500 METRES

NOTE(S)

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
2. BASE MAP: MAXAR, MICROSOFT.
3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N.

CLIENT
391568 ONTARIO INC.

PROJECT
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT,
0, 0, 2375, 2385, 2415 CABANA ROAD EAST, 4040
WALKER ROAD, WINDSOR, ONTARIO

TITLE
INVESTIGATION LOCATIONS

CONSULTANT	YYYY-MM-DD	2025-05-09
DESIGNED	DS	
PREPARED	GU	
REVIEWED	DS	
APPROVED	CM	

PROJECT NUMBER
CA0046126.8978

CONTROL
0002

REV.
0

FIGURE
5



LEGEND

- BOREHOLE
- MONITORING WELL
- STOCKPILE SAMPLES
- INFERRED GROUNDWATER CONTOUR (0.5 INTERVAL)
- INFERRED GROUNDWATER FLOW DIRECTION
- RAILWAY
- WATERCOURSE
- PHASE TWO PROPERTY BOUNDARY
- GROUNDWATER ELEVATION (mASL), (March 19, 2025)

0 30 60
1:1,500 METRES

NOTE(S)

REFERENCE(S)

- 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO.
- 2. BASE MAP: MAXAR, MICROSOFT.
- 3. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N.

CLIENT

391568 ONTARIO INC.

PROJECT

PHASE TWO ENVIRONMENTAL SITE ASSESSMENT,
0, 0, 2375, 2385, 2415 CABANA ROAD EAST, 4040
WALKER ROAD, WINDSOR, ONTARIO

TITLE

GROUNDWATER CONTOUR PLAN - MARCH 19, 2025

CONSULTANT



YYYY-MM-DD	2025-05-09
DESIGNED	DS
PREPARED	GU
REVIEWED	DS
APPROVED	CM

PROJECT NUMBER

CA0046126.8978

CONTROL

0001

REV.

0

FIGURE

6

08/11/25 10:58 AM C:\Users\j\OneDrive\Documents\Projects\Phase 1\ES&C\0046126.8978\002\HS-0001.aprx PRINTED ON: A3 10/12/25 10:58 AM

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN LOCKED FROM ANSIO

APPENDIX C

Field Logs

PROJECT: CA0046126.8978
LOCATION: N 4680835.60; E 337606.50

RECORD OF BOREHOLE: MW1

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION			
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT						
												10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³						
												Wp ——— W ——— WI						
							100	200	300	400		10	20	30	40			
0	Direct Push	GROUND SURFACE		154.97														
		ASPHALT		0.00														
		(GW) crushed GRANULAR		0.08														Concrete
		FILL- silty sand; brown		154.51														
				0.46	1	-	- ⊕	ND										
1			- black, petroleum odour at 0.91 m															
			- increased clay content at 1.22 m			2	-	- ⊕	ND									
			(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey; trace petroleum odour		153.45													Bentonite
					1.52	3	-	- ⊕	ND									
2																		
			- transition to brown @ 2.74 m			4	-	- ⊕	ND									
3			(CI) SILTY CLAY, trace gravel, trace sand; brown		151.92													Sand
					3.05	5	-	- ⊕	ND									
4																		
			- transition to grey at 4.27 m			6	-	- ⊕	ND									
5			(CI) SILTY CLAY, trace gravel, trace sand; grey		150.40													30 mm Dia PVC Slot Screen
					4.57	7	-	- ⊕	ND									
6			END OF BOREHOLE		148.87													
					6.10													
7																		
8																		
9																		
10																		

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680848.50; E 337610.50

RECORD OF BOREHOLE: MW2

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	10 ⁻⁶	10 ⁻⁵			10 ⁻⁴	10 ⁻³
							100	200	300	400	10	20	30	40			
0	Direct Push	GROUND SURFACE		155.04													
		ASPHALT		0.00													
		(GW) crushed GRANULAR		0.08											Concrete		
				154.43													
		FILL- silty sand; brown		0.61	1	-	⊕ <i>ND</i>								Bentonite		
1			- black, petroleum odour at 1.22 m		2	-	⊕ <i>ND</i>										
			(CI) SILTY CLAY, with sand; grey; petroleum odour; wet		153.52										Sand		
					1.52	3	-	⊕									
2						4	-	⊕ <i>ND</i>									
			(CI) SILTY CLAY, trace gravel, trace sand; brown; wet		152.30												
				2.74													
3					5	-	⊕ <i>ND</i>										
		(CI) SILTY CLAY, trace gravel, trace sand; brown; dry		151.23													
				3.81	6	-	⊕ <i>ND</i>										
4		- transition to grey at 4.27 m															
		(CI) SILTY CLAY, trace gravel, trace sand; grey		150.47													
				4.57	7	-	⊕ <i>ND</i>										
5		END OF BOREHOLE		149.71													
				5.33													
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680834.40; E 337614.30

RECORD OF BOREHOLE: MW3

SHEET 1 OF 1
BORING DATE: February 4, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT					
								ND = Not Detected				Wp — W — Wi					
								100	200	300	400	10 ⁻⁶	10 ⁻⁵			10 ⁻⁴	10 ⁻³
0		GROUND SURFACE		154.92													
	Direct Push	ASPHALT		0.00													
		(GW) crushed GRANULAR		154.62													
		FILL- silty clay with sand; brown to orange		0.30													
1					1	-	-	ND									
				153.55													
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.37	2	-	-	ND									
2					3	-	-	ND									
					4	-	-	ND									
3			- transition to brown at 2.74 m.														
			(CI) SILTY CLAY, trace gravel, trace sand; brown		3.05	5	-	-	ND								
4					6	-	-	ND									
		- transition to grey at 4.27 m															
		(CI) SILTY CLAY, trace gravel, trace sand; grey		4.57													
5					7	-	-	ND									
6		END OF BOREHOLE		148.82													
				6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

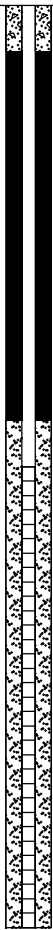
PROJECT: CA0046126.8978
LOCATION: N 4680797.30; E 337624.90

RECORD OF BOREHOLE: MW4

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE			SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT						
								ND = Not Detected				Wp — W — Wi						
								100 200 300 400				10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³						
0		GROUND SURFACE		154.70														
	Direct Push	TOPSOIL- grass		0.00											Concrete			
		FILL- silty clay, trace gravel, trace sand; brown, contains brick chunks		0.15														
					1	-	-	ND										
1																		
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.48 1.22		2	-	-	ND					Bentonite				
2			(CI) SILTY CLAY, trace gravel, trace sand; grey; wet		152.87 1.83		3	-	-	ND								
			(CI) SILTY CLAY, trace gravel, trace sand; brown; dry		152.41 2.29		4	-	-	ND								
3													Sand					
	(SM) SILTY SAND, trace clay; brown		151.35 3.35		5	-	-	ND										
4		(CI) SILTY CLAY, trace gravel, trace sand; grey		150.89 3.81		6	-	-	ND					30 mm Dia PVC Slot Screen				
5																		
6																		
		END OF BOREHOLE		148.60 6.10		7	-	-	ND									
7																		
8																		
9																		
10																		

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680866.10; E 337690.20

RECORD OF BOREHOLE: MW5

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION			
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT						
								ND = Not Detected				Wp — W — Wi						
								100	200	300	400	10 ⁻⁶	10 ⁻⁵	10 ⁻⁴	10 ⁻³			
0	Direct Push	GROUND SURFACE		155.06														
		TOPSOIL		0.00														Concrete
		gravelly FILL; grey		154.76														
				0.30	1	-		ND										
				154.20														
1		ASPHALT		0.91														
		FILL- silty sand, trace gravel; black; possible foundry sand		153.84	2	-		ND										
		(CI) SILTY CLAY, trace gravel, trace sand; black		1.22														
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.54														Bentonite
				1.52														
2				3	-		ND											
				4	-		ND											
3																		
		(CI) SILTY CLAY, trace gravel, trace sand; brown		152.01													Sand	
				3.05	5	-		ND										
4		- transition to grey at 3.81 m																
					6	-		ND										
		(CI) SILTY CLAY, trace gravel, trace sand; grey		150.49													30 mm Dia PVC Slot Screen	
				4.57														
5																		
					7	-		ND										
6		END OF BOREHOLE		148.96														
				6.10														
7																		
8																		
9																		
10																		

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680880.80; E 337757.90

RECORD OF BOREHOLE: MW6

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 5, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT					
								ND = Not Detected				Wp — W — Wi					
							100	200	300	400		10 ⁻⁶	10 ⁻⁵	10 ⁻⁴	10 ⁻³		
							100	200	300	400		10	20	30	40		
0	Direct Push	GROUND SURFACE		154.81													
		(GW) crushed GRANULAR		0.00												Concrete	
		FILL- silty clay, trace gravel; black stained		154.51													
				0.30	1	-	-	ND									
1		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.90													
				0.91	2	-	-	ND								Bentonite	
2					3	-	-	ND									
		(CI) SILTY CLAY, trace gravel, trace sand; brown		152.52													
				2.29	4	-	-	ND									
3																Sand	
4		- transition to grey at 4.11 m															
5		(CI) SILTY CLAY, trace gravel, trace sand; grey		150.24												30 mm Dia PVC Slot Screen	
				4.57	7	-	-	ND									
6																	
		END OF BOREHOLE		148.71													
				6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680899.10; E 337846.10

RECORD OF BOREHOLE: MW7

SHEET 1 OF 1
BORING DATE: February 3, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT					
								ND = Not Detected				Wp — W — Wi					
								100	200	300	400						
								100	200	300	400						
0	Direct Push	GROUND SURFACE		155.79													
		FILL- sand, clay with gravel; brown, grey and black		0.00	1	-	-	ND									Concrete
1		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		154.88	2	-	-	ND									Bentonite
				0.91													
2			3	-	-	ND											
		(CI) SILTY CLAY, trace gravel, trace sand; brown		153.50	4	-	-	ND									
				2.29													
3	5		-	-	ND												
	- transiiton to grey at 3.51 m		151.98	6	-	-	ND										
			3.81														
4		7	-	-	ND												
6		END OF BOREHOLE		149.69													
				6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680848.80; E 337764.40

RECORD OF BOREHOLE: MW8

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 5, 2025
DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION					
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	ND = Not Detected				10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³								
								HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT								
								ND = Not Detected				Wp ——— W ——— WI								
							100	200	300	400			10	20	30	40				
0	Direct Push	GROUND SURFACE		154.87																
		(GW) crushed GRANULAR		0.00															Concrete	
				154.41																
		FILL- sand; black; possible foundry sand		0.46	1	-	-	ND												
		- increased clay content at 0.76 m		153.96																
1		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		0.91																
					2	-	-	ND												
					3	-	-	ND												
2																				
				152.43																
		(CI) SILTY CLAY, trace gravel, trace sand; brown		2.44																
					4	-	-	ND												
					5	-	-	ND												
3																				
4																				

DEPTH SCALE
1 : 50



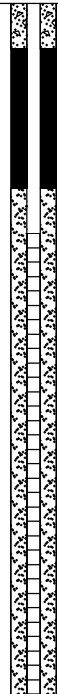
LOGGED: DS
CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680809.70; E 337735.20

RECORD OF BOREHOLE: MW9

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 5, 2025
DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W			Wi	10 ⁻⁶
0		GROUND SURFACE		156.22													
	Direct Push	FILL- silty clay, trace gravel, trace sand; trace debris, grass; brown		0.00	1	-	-	ND							Concrete		
															Bentonite		
1				2	-	-	ND								Sand		
			- wet at 1.37 m														
					154.54												
2			FILL- sand; black; wet, possible foundry sand		1.68	3	-	-	ND								
				153.93													
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.29	4	-	-	ND									
3																	
				153.17													
		(CI) SILTY CLAY, trace gravel, trace sand; brown		3.05	5	-	-	ND									
4																	
															</		

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680803.60; E 337892.20

RECORD OF BOREHOLE: MW10

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 3, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
												Wp ——— W ——— Wi					
								100 200 300 400				10 20 30 40					
0		GROUND SURFACE		155.40													
	Direct Push	(GW) crushed GRANULAR		0.00										Concrete			
		FILL- sand with rust; black; inferred foundry sand		155.10 0.30	1	-	-	ND						Bentonite			
		FILL- sandy clay; black		154.49 0.91	2	-	-	ND						Sand			
1		(SM) SILTY SAND; greyish brown; wet		153.94 1.46	3	-	-	ND									
		(CI) SILTY CLAY, trace gravel, trace sand; grey		152.96 2.44	4	-	-	ND						30 mm Dia PVC Slot Screen			
2					5	-	-	ND									
					6	-	-	ND									
3																	
4																	
5																	
6																	
		END OF BOREHOLE		149.30 6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680703.80; E 337935.30

RECORD OF BOREHOLE: MW11

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 3, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
												Wp — W — Wi					
								100	200	300	400	10	20	30	40		
0		GROUND SURFACE		155.05													
	Direct Push	FILL- clay with sand, trace gravel; black with rust, contains coal pieces		0.00											Concrete		
					1	-	-	⊕	ND							Bentonite	
1			(SW) sandy CLAY with silt; grey; wet		153.98											Sand	
					1.07	2	-	-	⊕	ND							
						3	-	-	⊕	ND							
2			(CI) SILTY CLAY, trace gravel, trace sand; grey; moist		153.22												
					1.83	4	-	-	⊕	ND							
3																	30 mm Dia PVC Slot Screen
4																	
5																	
6															Bentonite		
		END OF BOREHOLE		148.95													
				6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680575.70; E 337869.70

RECORD OF BOREHOLE: MW12

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 3, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT					
								ND = Not Detected				Wp — W — Wi					
								100	200	300	400						
0		GROUND SURFACE		155.72													
	Direct Push	FILL- silty clay with sand and gravel, trace organics; brown		0.00												Concrete	
					1	-	-	ND									
1																	
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		154.65		2	-	-	ND							Bentonite	
				1.07													
2						3	-	-	ND								
		(CI) SILTY CLAY, trace gravel, trace sand; brown		153.43		4	-	-	ND								
				2.29													
3																	
		- transition to grey at 3.35 m			5	-	-	ND									
		(CI) SILTY CLAY, trace gravel, trace sand; grey		151.91		6	-	-	ND								
4				3.81													
5																	
					7	-	-	ND									
6		END OF BOREHOLE		149.62												30 mm Dia PVC Slot Screen	
				6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

GTA-BHS 001 S:\CLIENTS\391568 ONTARIO INC\4040 WALKER ROAD WINDSOR\02 DATA\GINT\4040 WALKER ROAD WINDSOR.GPJ GAL-MIS.GDT 3/10/25

PROJECT: CA0046126.8978
LOCATION: N 4680573.60; E 337999.40

RECORD OF BOREHOLE: MW13

SHEET 1 OF 1
BORING DATE: February 3, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W			Wi	10 ⁻⁶
0	Direct Push	GROUND SURFACE		155.62													
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey; some organics		0.00	1	-	-	ND								Concrete	
1					2	-	-	ND								Bentonite	
2		(CI) SILTY CLAY, trace gravel, trace sand; brown		153.64 1.98	3	-	-	ND									
					4	-	-	ND									
3		- transition to grey at 3.51 m			5	-	-	ND								Sand	
4		(CI) SILTY CLAY, trace gravel, trace sand; grey		151.81 3.81	6	-	-	ND									
5				7	-	-	ND								30 mm Dia PVC Slot Screen		
6		END OF BOREHOLE		149.52 6.10													
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680851.60; E 337615.80

RECORD OF BOREHOLE: BH14

SHEET 1 OF 1
BORING DATE: February 4, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100 200 300 400				10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³ Wp — W — Wi					
0	Direct Push	GROUND SURFACE		155.00													
		ASPHALT		0.00													
		(GW) crushed GRANULAR		0.08	1	-	-	ND									
1		FILL- silty clay; black and grey, contains light petroleum odour		154.09	2	-	-	ND									
		FILL- silty clay; grey, contains light petroleum odour		153.48	3	-	-	ND									
2				152.56	4	-	-	ND									
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.44													
3		END OF BOREHOLE		151.95													
4				3.05													
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680839.50; E 337612.40

RECORD OF BOREHOLE: BH15

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W			Wi	
		GROUND SURFACE		154.92													
0	Direct Push	ASPHALT		0.00													
		(GW) crushed GRANULAR		154.62													
		FILL- silty sand, trace gravel; brown		0.30													
		FILL- sandy clay; brown		154.31													
				0.61													
1				153.70	1	-	⊕										
			(SM) SILTY SAND; black, contains petroleum odour		1.22	2	-	⊕									
		- increased clay content at 1.83 m			3	-	⊕	□									
2			152.79														
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.13	4	-	⊕										
3		END OF BOREHOLE		151.87													
				3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

GTA-BHS 001 S:\CLIENTS\391568 ONTARIO INC\4040 WALKER ROAD WINDSOR\02 DATA\GINT\4040 WALKER ROAD WINDSOR.GPJ GAL-MIS.GDT 3/10/25

PROJECT: CA0046126.8978
LOCATION: N 4680805.00; E 337656.10

RECORD OF BOREHOLE: BH16

SHEET 1 OF 1
BORING DATE: February 4, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE			SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
												Wp ———— W ———— WI					
								100 200 300 400				10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³					
0		GROUND SURFACE		155.28													
	Direct Push	TOPSOIL - grass		0.00													
		FILL- silty clay, trace sand, trace gravel; brown		0.15	1	-	-	ND									
1		- asphalt pieces @ 1.22 m			2	-	-	ND									
		END OF BOREHOLE		153.76													
2				1.52													
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680838.90; E 337711.60

RECORD OF BOREHOLE: BH17

SHEET 1 OF 1
BORING DATE: February 4, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W	Wi			10 ⁻⁶
0		GROUND SURFACE		154.92													
Direct Push		FILL- silty clay, trace gravel, trace sand; brown (GW) crushed GRANULAR		0.00 0.15	1	-	-	⊕	ND								
		FILL- sand; black, possible foundry sand		154.31 0.61	2	-	-	⊕	ND								
		(CI) SILTY CLAY, trace gravel, trace sand; greenish grey		153.55 1.37	3	-	-	⊕	ND								
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.09 1.83	4	-	-	⊕	ND								
	3		END OF BOREHOLE		151.87 3.05												
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680843.10; E 337766.30

RECORD OF BOREHOLE: BH18

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp ———— W ———— Wi					
0	Direct Push	GROUND SURFACE		154.83													
		(GW) crushed GRANULAR		0.00													
				154.53													
		FILL- sand, clay and gravel; orange to brown		0.30	1	-	- ⊕										
				153.92													
1		FILL- sand; black, possible foundry sand		0.91	2	-	- ⊕										
				153.46													
		(CI) SILTY CLAY; greenish grey		1.37	3	-	- ⊕										
				153.15													
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.68													
2					4	-	- ⊕										
3		END OF BOREHOLE		151.78													
				3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

GTA-BHS 001 S:\CLIENTS\391568 ONTARIO INC\4040 WALKER ROAD WINDSOR\02 DATA\GINT\4040 WALKER ROAD WINDSOR.GPJ GAL-MIS.GDT 3/10/25

PROJECT: CA0046126.8978
LOCATION: N 4680861.10; E 337789.30

RECORD OF BOREHOLE: BH19

SHEET 1 OF 1
BORING DATE: February 5, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W			Wi	10 ⁻⁶
0	Direct Push	GROUND SURFACE		155.13													
		TOPSOIL		0.00	1	-	⊕	ND									
1		FILL- crushed granular with sand; black and dark brown foundry sand		154.52 0.61	2	-	⊕	ND									
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.76 1.37													
2		END OF BOREHOLE		1.52													
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

GTA-BHS 001 S:\CLIENTS\391568 ONTARIO INC\4040 WALKER ROAD WINDSOR\02 DATA\GINT\4040 WALKER ROAD WINDSOR.GPJ GAL-MIS.GDT 3/10/25

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680867.80; E 337823.50

RECORD OF BOREHOLE: BH20

SHEET 1 OF 1
BORING DATE: February 5, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>		HYDRAULIC CONDUCTIVITY, k, cm/s		ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT	
								100 200 300 400	10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³			Wp W Wi	
0	Direct Push	GROUND SURFACE		154.73									
		(GW) crushed GRANULAR		0.00	1	-	⊕	ND					
		FILL- sand and clay; black; possible foundry sand		154.43									
				0.30	2	-	⊕	ND					
1		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.82									
				0.91									
		END OF BOREHOLE		153.21									
				1.52									
2													
3													
4													
5													
6													
7													
8													
9													
10													

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680869.00; E 337836.20

RECORD OF BOREHOLE: BH21

SHEET 1 OF 1
BORING DATE: February 5, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	ND = Not Detected				10 ⁻⁶ 10 ⁻⁵ 10 ⁻⁴ 10 ⁻³					
								HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □				WATER CONTENT PERCENT					
								ND = Not Detected				Wp ———— W ———— Wi					
							100	200	300	400	10	20	30	40			
0		GROUND SURFACE		154.67													
	Direct Push	(GW) crushed GRANULAR		0.00	1	-	-	ND									
		FILL- sand; black; possible foundry sand		154.37													
				0.30	2	-	-	ND									
1			(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.76												
				0.91													
		END OF BOREHOLE		153.15													
				1.52													
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

GTA-BHS 001 S:\CLIENTS\391568 ONTARIO INC\4040 WALKER ROAD WINDSOR\02 DATA\GINT\4040 WALKER ROAD WINDSOR.GPJ GAL-MIS.GDT 3/10/25

PROJECT: CA0046126.8978
LOCATION: N 4680781.30; E 337818.50

RECORD OF BOREHOLE: BH22

SHEET 1 OF 1
DATUM: Local

BORING DATE: February 3, 2025

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W			Wi	10 ⁻⁶
0		GROUND SURFACE		154.22													
	Direct Push	(GW) crushed GRANULAR FILL- sand and gravel; black and orange; inferred foundry sand		0.00 0.08													
					1	-	-	⊕	ND								
1																	
			(CI) SILTY CLAY, trace gravel with sand; greenish grey		153.00 1.22												
			(CI) SILTY CLAY, trace gravel, trace sand; brown		152.70 1.52												
2																	
		(CI) SILTY CLAY, trace gravel, trace sand; grey		151.93 2.29													
3		END OF BOREHOLE		151.17 3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680690.60; E 337823.80

RECORD OF BOREHOLE: BH23

SHEET 1 OF 1
BORING DATE: February 3, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	10 ⁻⁶	10 ⁻⁵			10 ⁻⁴	10 ⁻³
0		GROUND SURFACE		154.12													
	Direct Push	(GW) crushed GRANULAR		0.00													
				153.82													
		FILL- sand; black contains glass chunks		0.30	1	-	-	⊕									
				153.51													
		(ML) sandy SILT with clay; yellowish brown; wet		0.61													
1				152.75	2	-	-	⊕									
		(SM) SILTY SAND; brown; wet		1.37													
2		(CI) SILTY CLAY, trace gravel, trace sand; grey		1.83	3	-	-	⊕									
					4	-	-	⊕									
3		END OF BOREHOLE		151.07													
				3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

GTA-BHS 001 S:\CLIENTS\391568 ONTARIO INC\4040 WALKER ROAD WINDSOR02 DATA\GINT\4040 WALKER ROAD WINDSOR.GPJ GAL-MIS.GDT 3/10/25

PROJECT: CA0046126.8978
LOCATION: N 4680619.30; E 337826.30

RECORD OF BOREHOLE: BH24

SHEET 1 OF 1
BORING DATE: February 3, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
												Wp — W — Wi					
0	Direct Push	GROUND SURFACE		154.90 0.00													
		FILL- silt and clay with sand, trace gravel, trace organics; brown			1	-	⊕	ND									
1					2	-	⊕	ND									
						3	-	⊕	ND								
2					4	-	⊕	ND									
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.53 1.37													
3		- brown at 2.74 m															
		END OF BOREHOLE		151.85 3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680650.40; E 337923.60

RECORD OF BOREHOLE: BH25

SHEET 1 OF 1
BORING DATE: February 3, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp	W			Wi	10
0	Direct Push	GROUND SURFACE		154.21 0.00													
		FILL- silty clay with sand, trace gravel, trace organics; dark brown			1	-	⊕	ND									
1		(C) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.41 0.80		2	-	⊕	ND								
2					3	-	⊕	ND									
		(C) SILTY CLAY, trace gravel, trace sand; brown		151.92 2.29		4	-	⊕	ND								
3		END OF BOREHOLE		151.16 3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680843.40; E 337615.10

RECORD OF BOREHOLE: BH26

SHEET 1 OF 1
BORING DATE: February 4, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES			HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION	
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
								100	200	300	400	Wp ——— W ——— WI					
0		GROUND SURFACE		154.91													
	Direct Push	ASPHALT		0.00													
		(GW) crushed GRANULAR		0.08													
		FILL - silty clay, with gravel; brown		154.45													
				0.46													
1			- dark grey, no odour at 0.91 m			1	-	⊕	ND								
		- light petroleum odour @ 1.52 m															
2					2	-	⊕	ND									
		(Cl) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		152.17													
3				2.74													
		END OF BOREHOLE		151.86													
				3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

PROJECT: CA0046126.8978
LOCATION: N 4680849.50; E 337623.00

RECORD OF BOREHOLE: BH27

SHEET 1 OF 1
BORING DATE: February 5, 2025
DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE		SAMPLES		HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ <i>ND = Not Detected</i>				HYDRAULIC CONDUCTIVITY, k, cm/s				ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION		
		DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ <i>ND = Not Detected</i>				WATER CONTENT PERCENT					
												Wp ——— W ——— WI					
								100	200	300	400	10	20	30	40		
0	Direct Push	GROUND SURFACE		154.98													
		ASPHALT		0.00													
		(GW) crushed GRANULAR		154.68													
		FILL- silty clay, trace sand, trace gravel; brown, grey and black staining		0.30	1	-	-	ND									
				154.07													
1		FILL- sand; black; contains fine crushed granular		0.91													
		FILL- silty clay; black and grey		153.76	2	-	-	ND									
				1.22													
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		153.46													
				1.52	3	-	-	ND									
2																	
					4	-	-	ND									
3		END OF BOREHOLE		151.93													
				3.05													
4																	
5																	
6																	
7																	
8																	
9																	
10																	

DEPTH SCALE

1 : 50



LOGGED: DS

CHECKED:

All measurements recorded in: ☐ Metric ☒ Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: (Print Well Tag No.)

A419125

Well No. on Drawing of Deepest Well: ⑤

☐ Dewatering wells

☒ Test holes

No. of wells reported 13

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available)		Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
2375, 2385, 2415 Division Rd 4040 Welmar Rd					Essex
City, Town, Village or Hamlet		Province	GPS Unit Make	Model	Unit Mode of Operation ☐ Undifferentiated ☐ Averaged
Windsor		Ontario			☐ Differentiated, specify:

Mandatory

☒ Land O

☒ Detailed

I, the person
Director, on
control relate

Signature of

Well Details

Well # on Drawing	UTM Coordinates		Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material/ Diameter (cm/in)	Casing (m/ft)		Screen Interval (m/ft)		Annular Space Material (m/ft)		Overburden/Bedrock Abandonment Filling Material
	Zone	Easting					From	To	From	To	From	To	
1	17	3379394680709	14'	3.25"	Direct Push	Plastic	+3	4'	4'	14'	0'	1'	0-5' Brown clay 15
						1.25"					1'	3'	5'-7' Gravel Sand
											3'	14'	7'-14' Gravel clay 15
2	17	3379944680571	20'	3.25"	Direct Push	Plastic	+3	10'	10'	20'	0'	1'	0-10' Brown clay
						1.25"					1'	9'	10'-20' Gravel clay
											9'	20'	
3	17	3378824680573	20'	3.25"	Direct Push	Plastic	+3	10'	10'	20'	0'	1'	0-10' Brown clay
						1.25"					1'	9'	10'-20' Gravel clay
											9'	20'	
4	17	3378934680811	14'	3.25"	Direct Push	Plastic	+3	4'	4'	14'	0'	1'	0-2' Brown Sand 15
						1.25"					1'	3'	2-5' Brown clay 15
											3'	14'	5-8' Gravel Sand
5	17	3378494680902	20'	3.25"	Direct Push	Plastic	+3	10'	10'	20'	0'	1'	0-10' Brown clay
						1.25"					1'	9'	10'-20' Gravel clay
											9'	20'	

Well Contractor and Well Technician Information

Business Name of Well Contractor		Business Address (Street Number/Name, RR)		Municipality	Province	Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)	Date Last Well in Cluster Completed (yyyy/mm/dd)	Min Date
Direct Environmental Drilling		25 Artisans Cres		London	ON	2025/02/03	2025/02/05	
Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address					
N5U5E9	519-868-0175	7320	directenvironmentaldrilling.com					
Name of Well Technician (First Name, Last Name)		Well Technician's Licence No.	Signature of Well Technician		Date Submitted (yyyy/mm/dd)	Well Abandonment		
Matthew Dawson		3963			2025/02/15	Person Abandoning the Wells:		
						Name		
						(Print or Type) - See instruction 11 on the back of this form		

All measurements recorded in: ☐ Metric ☒ Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: (Print Well Tag No.)

A419125

Well No. on Drawing of Deepest Well: 5

☐ Dewatering wells

☒ Test holes

No. of wells reported 13

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available)		Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
2375, 2385, 2415 Division Rd 4040 Walker Rd					Essex
City, Town, Village or Hamlet		Province	GPS Unit Make	Model	Unit Mode of Operation ☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify:
Windsor		Ontario			

Well Details

Well # on Drawing	UTM Coordinates		Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft)		Screen Interval (m/ft)		Annular Space Material (m/ft)		Overburden/Bedrock Abandonment Filling Material
	Zone	Easting					From	To	From	To	From	To	
6	17	3376254680798	20'	6"	Auger	Plastic	0	10'	10'	20'	0	1'	Cement Bentonite 0-13' Brown Clay
						1.25"					9'	20'	Silica Sand 13-20' Grey Clay
7	17	3376174680836	20'	3.25"	Direct Push	Plastic	0	10'	10'	20'	0	1'	Cement Bentonite 0-1 Brown Sand 16-17
						1.25"					9'	20'	Silica Sand 15-20' Grey Clay 15:1
8	17	3376094680848	20'	3.25"	Direct Push	Plastic	0	10'	10'	20'	0	1'	Cement Bentonite 0-1 Brown Sand 15:1
						1.25"					9'	20'	Silica Sand 15-20' Grey Clay 15:1
9	17	3376094680848	15'	3.25"	Direct Push	Plastic	0	5'	5'	15'	0	1'	Cement Bentonite 0-2 Brown Sand 1:1
						1.25"					4'	15'	Silica Sand 10-15 Brown Clay 15:1
10	17	3376964680867	20'	3.25"	Direct Push	Plastic	0	10'	10'	20'	0	1'	Cement Bentonite 0-2 Brown Sand 1:1
						1.25"					9'	20'	Silica Sand 15-20' Grey Clay 1:1

Well Contractor and Well Technician Information

Business Name of Well Contractor		Business Address (Street Number/Name, RR)		Municipality	Province	Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)	Date Last Well in Cluster Completed (yyyy/mm/dd)	Ministry Date
Direct Environmental Drilling		25 Artisans Cres		London	ON	2025/02/03	2025/02/05	
Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address		Well Abandonment			
N5V5E9	519-868-0175	7320	dave@directenvironmentaldrilling.com		Person Abandoning the Wells:			
Name of Well Technician (First Name, Last Name)		Well Technician's Licence No.	Signature of Well Technician		Date Submitted (yyyy/mm/dd)	Name (Print or Type) - See instruction 11 on the back of this form		
Matthew Dawson		3963	[Signature]		2025/02/15			

All measurements recorded in: ☐ Metric ☒ Imperial

Follow instructions on the front and back of this form. Print or Type

Well Tag No. of Deepest Well: (Print Well Tag No.)

A 419125

Well No. on Drawing of Deepest Well: 5

☐ Dewatering wells

☒ Test holes

No. of wells reported 13

Well Cluster Location Information

Address of Well Location (Street Number(s)/Name(s), RR, if available)	Lot(s)	Concession(s)	Geographic Township	County/District/Upper Tier Municipality
2375, 2385, 2415 Division Rd 4040 Walker Rd				Essex
City, Town, Village or Hamlet	Province	GPS Unit Make	Model	Unit Mode of Operation
Windsor	Ontario			☐ Undifferentiated ☐ Averaged ☐ Differentiated, specify:

Well Details

Well # on Drawing	UTM Coordinates		Hole Depth (m/ft)	Hole Diameter (cm/in)	Method of Construction	Casing Material; Diameter (cm/in)	Casing (m/ft)		Screen Interval (m/ft)		Annular Space Material (m/ft)		Overburden/Bedrock Abandonment Filling Material
	Zone	Easting					From	To	From	To	From	To	
11	17	33765641680880	20'	3.25"	Direct Push	Plastic	0	10	10'	20'	0	4'	0-2' Brown Sand 15:1 Bentonite 2-14' Brown Clay 15:1 Silica Sand 14-20' Grey Clay 15:1
12	17	3377654680849	20'	3.25"	Direct Push	Plastic	0	10'	10'	20'	0	4'	0-2' Brown Sand 15:1 Bentonite 2-14' Brown Clay 15:1 Silica Sand 14-20' Grey Clay 15:1
13	17	3377334680811	15'	3.25"	Direct Push	Plastic	0	5	5'	15'	0	4'	0-5' Brown Clay 15:1 Bentonite 5-8' Black Sand Silica Sand 8-14' Brown Clay 15:1 14-15' Grey Clay 15:1

Well Contractor and Well Technician Information

Business Name of Well Contractor	Business Address (Street Number/Name, RR)	Municipality	Province
Direct Environmental Drilling	25 Artisans Cres	London	ON
Postal Code	Bus. Telephone No.	Well Contractor's Licence No.	Business E-mail Address
M5V 1S1E9	519-868-0175	7320	directenvirodrilling.com
Name of Well Technician (First Name, Last Name)	Well Technician's Licence No.	Signature of Well Technician	Date Submitted (yyyy/mm/dd)
Matthew Oleson	3963	[Signature]	2025/02/15

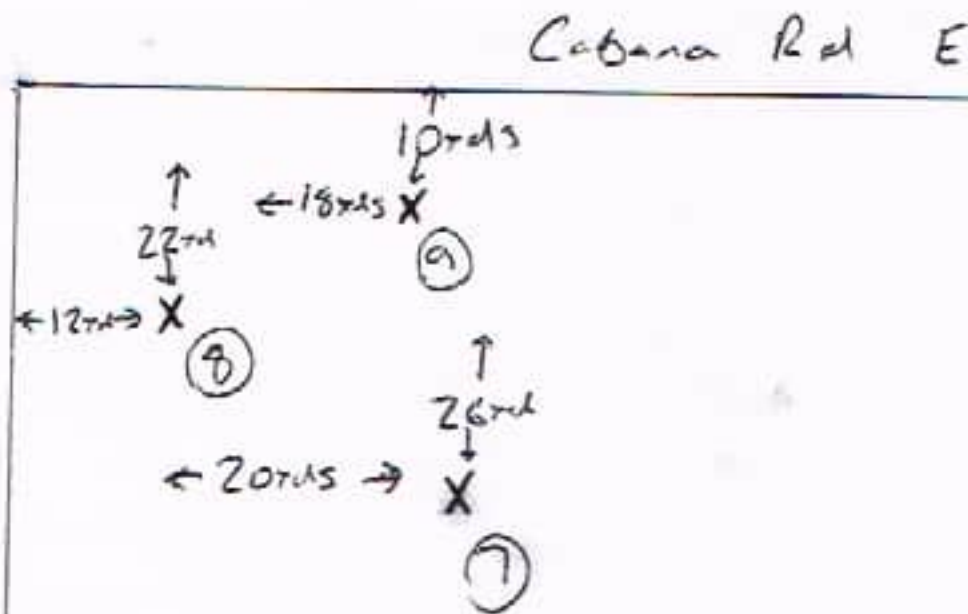
Date First Well in Cluster Constructed or Abandoned (yyyy/mm/dd)	Date Last Well in Cluster Completed (yyyy/mm/dd)	Mini Date
2025/02/03	2025/02/05	
Well Abandonment		Com
Person Abandoning the Wells:		
Name		
(Print or Type) - See instruction 11 on the back of this form		



Note: This Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the Well Record for Well Cluster Parts 1 and 2. The well with the well tag must be clearly identified on the Drawing. UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # A419125

"Well Record for Well Cluster" Form Audit Number: # C64499, C64504, C60505



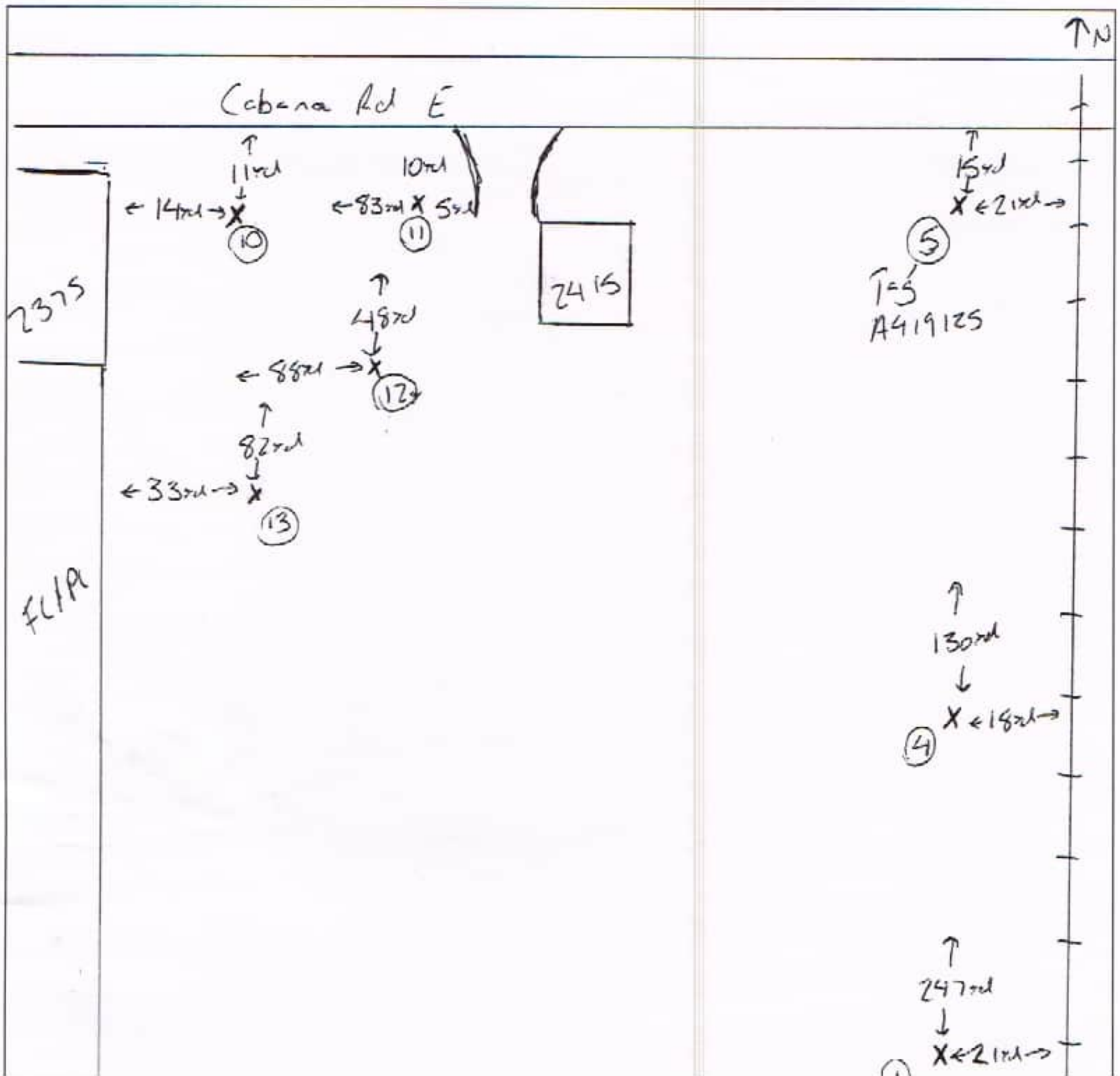
2375



Note: This Well Record for Well Cluster Part 3 - Detailed Drawing of all Well Locations, must be attached to Parts 1 and 2. The drawing must include all property boundaries, an arrow indicating the North direction, all named roads and sufficient measurements to locate all wells in the cluster in relation to fixed points. The drawing must show the location of each well and each well must be numbered on the drawing to match number used for that well on the Well Record for Well Cluster Parts 1 and 2. The well with the well tag must be clearly identified on the Drawing. UTM coordinates should appear beside each well, if space permits. Additional comments on wells can be included on the drawing

Well Tag Number: # A419125

"Well Record for Well Cluster" Form Audit Number: # C64499, C64504, C60505



APPENDIX D

Certificates of Analysis

Certificate of Analysis

WSP Canada Inc. (Windsor)

11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P110955CA001
Project: CA0046126.8978.2000

Custody: Revised Report

Report Date: 12-Mar-2025

Order Date: 6-Feb-2025

Order #: 2506346

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID	Paracel ID	Client ID
2506346-01	MW1 SA2	2506346-19	MW10 SA3
2506346-02	MW1 SA3	2506346-20	MW11 SA1
2506346-03	MW1 SA4	2506346-21	MW11 SA2
2506346-04	MW2 SA3	2506346-22	MW12 SA1
2506346-05	MW2 SA4	2506346-23	MW13 SA1
2506346-06	MW3 SA1	2506346-24	BH14 SA2
2506346-07	MW3 SA3	2506346-25	BH14 SA3
2506346-08	MW4 SA1	2506346-26	BH15 SA2
2506346-09	MW5 SA2	2506346-27	BH15 SA3
2506346-11	MW6 SA1	2506346-29	BH16 SA1
2506346-12	MW7 SA1	2506346-30	BH17 SA2
2506346-14	MW8 SA1	2506346-31	BH17 SA3
2506346-15	MW9 SA1	2506346-32	BH18 SA2
2506346-16	MW9 SA3	2506346-33	BH18 SA3
2506346-16	MW9 SA3	2506346-35	BH19 SA2
2506346-17	MW10 SA1	2506346-36	BH20 SA2

Approved By:



Mark Foto, M.Sc.

Laboratory Director

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Paracel ID	Client ID
2506346-37	BH21 SA2
2506346-37	BH21 SA2
2506346-38	BH22 SA1
2506346-39	BH22 SA2
2506346-40	BH23 SA1
2506346-41	BH23 SA2
2506346-42	BH24 SA1
2506346-43	BH25 SA1
2506346-44	BH26 SA1
2506346-45	BH26 SA2
2506346-46	BH27 SA2
2506346-50	MW9 SA4
2506346-51	DUPS-1
2506346-52	DUPS-3
2506346-53	DUPS-5
2506346-54	DUPS-6
2506346-55	DUPS-7

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	10-Feb-25	10-Feb-25
Chromium, hexavalent - soil	MOE E3056 - Extraction, colourimetric	11-Feb-25	11-Feb-25
Conductivity	MOE E3138 - probe @25 °C, water ext	10-Feb-25	10-Feb-25
Cyanide, free	MOE E3015 - Auto Colour, water extraction	10-Feb-25	10-Feb-25
Mercury by CVAA	EPA 7471B - CVAA, digestion	10-Feb-25	11-Feb-25
pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	10-Feb-25	10-Feb-25
PHC F1	CWS Tier 1 - P&T GC-FID	10-Feb-25	10-Feb-25
PHC F4G (gravimetric)	CWS Tier 1 - Extraction Gravimetric	12-Feb-25	12-Feb-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	7-Feb-25	10-Feb-25
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	10-Feb-25	10-Feb-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	7-Feb-25	9-Feb-25
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	10-Feb-25	10-Feb-25
SAR	Calculated	10-Feb-25	10-Feb-25
Solids, %	CWS Tier 1 - Gravimetric	7-Feb-25	10-Feb-25
Texture - Coarse Med/Fine	Based on ASTM D2487	7-Feb-25	10-Feb-25

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW1 SA2	MW1 SA3	MW1 SA4	MW2 SA3	-	-
Sample Date:	04-Feb-25 11:30	04-Feb-25 11:40	04-Feb-25 11:50	04-Feb-25 12:40	-	-
Sample ID:	2506346-01	2506346-02	2506346-03	2506346-04	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	83.6	86.9	88.4	85.5	-	-
>75 um	0.1 %	-	-	27.8	-	-	-
<75 um	0.1 %	-	-	72.2	-	-	-
Texture	0.1 %	-	-	Med/Fine	-	-	-

General Inorganics

SAR	0.01 N/A	1.05	-	0.70	1.14	-	-
Conductivity	5 uS/cm	245	-	240	333	-	-
Cyanide, free	0.03 ug/g	<0.03	-	<0.03	<0.03	-	-
pH	0.05 pH Units	6.58	-	7.39	7.43	-	-

Metals

Antimony	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	8.1	-	9.6	10.0	-	-
Barium	1.0 ug/g	92.8	-	74.5	83.9	-	-
Beryllium	0.5 ug/g	0.8	-	0.8	0.9	-	-
Boron	5.0 ug/g	10.9	-	17.9	16.6	-	-
Boron, available	0.5 ug/g	1.9	-	<0.5	<0.5	-	-
Cadmium	0.5 ug/g	<0.5	-	<0.5	<0.5	-	-
Chromium (VI)	0.2 ug/g	<0.2	-	<0.2	<0.2	-	-
Chromium	5.0 ug/g	22.5	-	23.5	27.5	-	-
Cobalt	1.0 ug/g	6.2	-	11.4	11.1	-	-
Copper	5.0 ug/g	23.0	-	19.2	23.4	-	-
Lead	1.0 ug/g	46.0	-	12.9	10.4	-	-
Mercury	0.1 ug/g	<0.1	-	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	2.0	-	4.2	3.4	-	-
Nickel	5.0 ug/g	16.9	-	27.4	30.1	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW1 SA2	MW1 SA3	MW1 SA4	MW2 SA3	-	-
Sample Date:	04-Feb-25 11:30	04-Feb-25 11:40	04-Feb-25 11:50	04-Feb-25 12:40	-	-
Sample ID:	2506346-01	2506346-02	2506346-03	2506346-04	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Selenium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	-	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Uranium	1.0 ug/g	1.4	-	1.2	1.1	-	-
Vanadium	10.0 ug/g	35.8	-	36.0	43.4	-	-
Zinc	20.0 ug/g	92.0	-	60.8	65.1	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	0.28	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW1 SA2	MW1 SA3	MW1 SA4	MW2 SA3	-	-
Sample Date:	04-Feb-25 11:30	04-Feb-25 11:40	04-Feb-25 11:50	04-Feb-25 12:40	-	-
Sample ID:	2506346-01	2506346-02	2506346-03	2506346-04	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	0.19	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	3.33	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	0.11	<0.05	<0.05	0.21	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	0.11	<0.05	<0.05	0.21	-	-
4-Bromofluorobenzene	Surrogate	106%	105%	100%	109%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW1 SA2	MW1 SA3	MW1 SA4	MW2 SA3	-	-
Sample Date:	04-Feb-25 11:30	04-Feb-25 11:40	04-Feb-25 11:50	04-Feb-25 12:40	-	-
Sample ID:	2506346-01	2506346-02	2506346-03	2506346-04	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

Toluene-d8	Surrogate	116%	113%	111%	119%	-	-
Dibromofluoromethane	Surrogate	105%	104%	103%	100%	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	12	21	<7	52	-	-
F2 PHCs (C10-C16)	4 ug/g	7	9	<4	27	-	-
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	<8	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	<6	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Chrysene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Fluoranthene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Fluorene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	-	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.03	-	-	0.28	-	-
2-Methylnaphthalene	0.02 ug/g	0.03	-	-	0.48	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.06	-	-	0.76	-	-
Naphthalene	0.01 ug/g	<0.01	-	-	0.54	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW1 SA2	MW1 SA3	MW1 SA4	MW2 SA3	
Sample Date:	04-Feb-25 11:30	04-Feb-25 11:40	04-Feb-25 11:50	04-Feb-25 12:40	-
Sample ID:	2506346-01	2506346-02	2506346-03	2506346-04	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Phenanthrene	0.02 ug/g	<0.02	-	-	<0.02	-	-
Pyrene	0.02 ug/g	<0.02	-	-	<0.02	-	-
2-Fluorobiphenyl	Surrogate	81.1%	-	-	75.8%	-	-
Terphenyl-d14	Surrogate	85.5%	-	-	81.7%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW3 SA1	MW3 SA3	MW4 SA1	-	-
Sample Date:	04-Feb-25 12:50	04-Feb-25 10:45	04-Feb-25 10:55	04-Feb-25 08:30	-	-
Sample ID:	2506346-05	2506346-06	2506346-07	2506346-08	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	78.1	88.3	88.6	84.4	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	1.46	0.14	0.69	0.36	-	-
Conductivity	5 uS/cm	449	145	198	239	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	-	-
pH	0.05 pH Units	7.79	7.47	7.52	7.41	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	12.0	4.8	9.9	7.7	-	-
Barium	1.0 ug/g	90.9	31.1	60.2	85.1	-	-
Beryllium	0.5 ug/g	0.9	<0.5	0.7	0.7	-	-
Boron	5.0 ug/g	15.0	<5.0	13.4	10.5	-	-
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	0.7	-	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	0.5	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	-	-
Chromium	5.0 ug/g	25.8	10.3	22.2	25.4	-	-
Cobalt	1.0 ug/g	9.4	3.6	9.4	7.8	-	-
Copper	5.0 ug/g	23.1	6.4	19.0	19.4	-	-
Lead	1.0 ug/g	10.0	4.4	9.1	21.9	-	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	7.1	1.2	3.0	1.6	-	-
Nickel	5.0 ug/g	26.1	8.4	23.7	20.4	-	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW3 SA1	MW3 SA3	MW4 SA1	-	-
Sample Date:	04-Feb-25 12:50	04-Feb-25 10:45	04-Feb-25 10:55	04-Feb-25 08:30	-	-
Sample ID:	2506346-05	2506346-06	2506346-07	2506346-08	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	1.2	<1.0	<1.0	<1.0	-	-
Vanadium	10.0 ug/g	45.6	16.5	35.5	36.6	-	-
Zinc	20.0 ug/g	59.5	25.7	54.2	96.8	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW3 SA1	MW3 SA3	MW4 SA1	-	-
Sample Date:	04-Feb-25 12:50	04-Feb-25 10:45	04-Feb-25 10:55	04-Feb-25 08:30	-	-
Sample ID:	2506346-05	2506346-06	2506346-07	2506346-08	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	0.18	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	0.18	<0.05	<0.05	<0.05	-	-
Dibromofluoromethane	Surrogate	100%	104%	103%	105%	-	-
Toluene-d8	Surrogate	116%	110%	112%	114%	-	-
4-Bromofluorobenzene	Surrogate	110%	102%	102%	106%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW3 SA1	MW3 SA3	MW4 SA1	-	-
Sample Date:	04-Feb-25 12:50	04-Feb-25 10:45	04-Feb-25 10:55	04-Feb-25 08:30	-	-
Sample ID:	2506346-05	2506346-06	2506346-07	2506346-08	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	28	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	7	<4	<4	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	<8	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	12	<6	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	-	<0.02	-	<0.02	-	-
Acenaphthylene	0.02 ug/g	-	<0.02	-	<0.02	-	-
Anthracene	0.02 ug/g	-	<0.02	-	0.05	-	-
Benzo [a] anthracene	0.02 ug/g	-	<0.02	-	0.12	-	-
Benzo [a] pyrene	0.02 ug/g	-	<0.02	-	0.10	-	-
Benzo [b] fluoranthene	0.02 ug/g	-	<0.02	-	0.14	-	-
Benzo [g,h,i] perylene	0.02 ug/g	-	<0.02	-	0.06	-	-
Benzo [k] fluoranthene	0.02 ug/g	-	<0.02	-	0.05	-	-
Chrysene	0.02 ug/g	-	<0.02	-	0.12	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	-	<0.02	-	<0.02	-	-
Fluoranthene	0.02 ug/g	-	<0.02	-	0.33	-	-
Fluorene	0.02 ug/g	-	<0.02	-	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	-	<0.02	-	0.07	-	-
1-Methylnaphthalene	0.02 ug/g	-	<0.02	-	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	-	<0.02	-	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	-	<0.04	-	<0.04	-	-
Naphthalene	0.01 ug/g	-	<0.01	-	<0.01	-	-
Phenanthrene	0.02 ug/g	-	<0.02	-	0.21	-	-
Pyrene	0.02 ug/g	-	<0.02	-	0.21	-	-
2-Fluorobiphenyl	Surrogate	-	87.7%	-	67.0%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW3 SA1	MW3 SA3	MW4 SA1		
Sample Date:	04-Feb-25 12:50	04-Feb-25 10:45	04-Feb-25 10:55	04-Feb-25 08:30	-	-
Sample ID:	2506346-05	2506346-06	2506346-07	2506346-08		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	-	91.3%	-	69.2%	-	-
---------------	-----------	---	-------	---	-------	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW5 SA2	MW6 SA1	MW7 SA1	MW8 SA1	-	-
Sample Date:	04-Feb-25 15:20	05-Feb-25 08:25	03-Feb-25 16:15	05-Feb-25 09:30	-	-
Sample ID:	2506346-09	2506346-11	2506346-12	2506346-14	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	84.3	87.3	85.5	88.7	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.90	1.71	0.18	0.30	-	-
Conductivity	5 uS/cm	348	532	1280	1070	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	-	-
pH	0.05 pH Units	7.31	7.48	10.33	8.81	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	6.3	8.3	5.6	2.6	-	-
Barium	1.0 ug/g	57.0	105	226	76.1	-	-
Beryllium	0.5 ug/g	0.5	0.9	1.3	0.6	-	-
Boron	5.0 ug/g	6.6	12.3	37.4	6.9	-	-
Boron, available	0.5 ug/g	1.0	0.6	1.2	1.4	-	-
Cadmium	0.5 ug/g	<0.5	<0.5	1.0	<0.5	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	-	-
Chromium	5.0 ug/g	27.7	27.3	50.7	20.2	-	-
Cobalt	1.0 ug/g	4.7	9.5	4.0	1.1	-	-
Copper	5.0 ug/g	52.3	11.9	16.0	13.9	-	-
Lead	1.0 ug/g	53.8	20.2	36.2	28.4	-	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	2.3	1.5	2.5	7.4	-	-
Nickel	5.0 ug/g	24.6	17.8	12.8	11.5	-	-
Selenium	1.0 ug/g	<1.0	<1.0	1.9	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW5 SA2	MW6 SA1	MW7 SA1	MW8 SA1	-	-
Sample Date:	04-Feb-25 15:20	05-Feb-25 08:25	03-Feb-25 16:15	05-Feb-25 09:30	-	-
Sample ID:	2506346-09	2506346-11	2506346-12	2506346-14	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	<1.0	1.2	2.1	<1.0	-	-
Vanadium	10.0 ug/g	22.6	48.1	38.8	<10.0	-	-
Zinc	20.0 ug/g	57.1	86.7	140	<20.0	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW5 SA2	MW6 SA1	MW7 SA1	MW8 SA1	-	-
Sample Date:	04-Feb-25 15:20	05-Feb-25 08:25	03-Feb-25 16:15	05-Feb-25 09:30	-	-
Sample ID:	2506346-09	2506346-11	2506346-12	2506346-14	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	0.10	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	0.06	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	0.16	-	-
Toluene-d8	Surrogate	113%	112%	112%	110%	-	-
Dibromofluoromethane	Surrogate	105%	107%	105%	104%	-	-
4-Bromofluorobenzene	Surrogate	103%	102%	104%	101%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW5 SA2	MW6 SA1	MW7 SA1	MW8 SA1	-	-
Sample Date:	04-Feb-25 15:20	05-Feb-25 08:25	03-Feb-25 16:15	05-Feb-25 09:30	-	-
Sample ID:	2506346-09	2506346-11	2506346-12	2506346-14	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	9	-	-
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	67	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	11	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	0.03	<0.02	0.02	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	0.03	<0.02	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	0.05	<0.02	0.03	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	0.02	<0.02	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	0.02	0.04	<0.02	0.03	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	0.03	0.07	0.03	0.04	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	0.02	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.03	<0.02	<0.02	0.06	-	-
2-Methylnaphthalene	0.02 ug/g	0.04	<0.02	<0.02	0.08	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.07	<0.04	<0.04	0.14	-	-
Naphthalene	0.01 ug/g	0.03	<0.01	0.01	0.07	-	-
Phenanthrene	0.02 ug/g	0.04	0.04	0.03	0.09	-	-
Pyrene	0.02 ug/g	0.03	0.05	0.02	0.03	-	-
2-Fluorobiphenyl	Surrogate	86.4%	96.0%	81.4%	77.9%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW5 SA2	MW6 SA1	MW7 SA1	MW8 SA1		
Sample Date:	04-Feb-25 15:20	05-Feb-25 08:25	03-Feb-25 16:15	05-Feb-25 09:30	-	-
Sample ID:	2506346-09	2506346-11	2506346-12	2506346-14		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	85.6%	96.0%	83.7%	74.7%	-	-
---------------	-----------	-------	-------	-------	-------	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA1	MW9 SA3	MW9 SA3	MW10 SA1	-	-
Sample Date:	05-Feb-25 10:45	05-Feb-25 10:55	05-Feb-25 10:55	03-Feb-25 14:50	-	-
Sample ID:	2506346-15	2506346-16	2506346-16RE1	2506346-17	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	86.3	72.1	-	82.5	-	-
----------	--------------	------	------	---	------	---	---

General Inorganics

SAR	0.01 N/A	1.57	0.32	-	0.40	-	-
Conductivity	5 uS/cm	466	1420	-	1820	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	-	<0.03	-	-
pH	0.05 pH Units	7.90	11.57	11.48	10.28	-	-

Metals

Antimony	1.0 ug/g	<1.0	1.8	-	<1.0	-	-
Arsenic	1.0 ug/g	9.6	5.7	-	3.5	-	-
Barium	1.0 ug/g	94.9	113	-	99.3	-	-
Beryllium	0.5 ug/g	0.9	1.0	-	0.6	-	-
Boron, available	0.5 ug/g	0.6	0.7	-	1.1	-	-
Boron	5.0 ug/g	19.7	27.9	-	11.6	-	-
Cadmium	0.5 ug/g	<0.5	1.2	-	<0.5	-	-
Chromium	5.0 ug/g	28.4	38.7	-	29.6	-	-
Chromium (VI)	0.2 ug/g	<0.2	0.8	-	0.3	-	-
Cobalt	1.0 ug/g	10.0	2.5	-	2.0	-	-
Copper	5.0 ug/g	20.6	30.2	-	24.8	-	-
Lead	1.0 ug/g	13.4	50.1	-	20.7	-	-
Mercury	0.1 ug/g	<0.1	<0.1	-	0.3	-	-
Molybdenum	1.0 ug/g	2.5	3.1	-	3.1	-	-
Nickel	5.0 ug/g	27.1	16.3	-	13.3	-	-
Selenium	1.0 ug/g	<1.0	2.0	-	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	-	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	-	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA1	MW9 SA3	MW9 SA3	MW10 SA1	-	-
Sample Date:	05-Feb-25 10:45	05-Feb-25 10:55	05-Feb-25 10:55	03-Feb-25 14:50	-	-
Sample ID:	2506346-15	2506346-16	2506346-16RE1	2506346-17	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	1.2	1.6	-	<1.0	-	-
Vanadium	10.0 ug/g	45.3	13.3	-	<10.0	-	-
Zinc	20.0 ug/g	70.2	178	-	32.9	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	-	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA1	MW9 SA3	MW9 SA3	MW10 SA1	-	-
Sample Date:	05-Feb-25 10:45	05-Feb-25 10:55	05-Feb-25 10:55	03-Feb-25 14:50	-	-
Sample ID:	2506346-15	2506346-16	2506346-16RE1	2506346-17	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	-	0.46	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	-	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	-	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	-	0.53	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	0.15	-	0.11	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
m,p-Xylenes	0.05 ug/g	<0.05	0.23	-	1.95	-	-
o-Xylene	0.05 ug/g	<0.05	0.11	-	0.78	-	-
Xylenes, total	0.05 ug/g	<0.05	0.34	-	2.73	-	-
Dibromofluoromethane	Surrogate	105%	104%	-	96.5%	-	-
4-Bromofluorobenzene	Surrogate	104%	108%	-	100%	-	-
Toluene-d8	Surrogate	114%	118%	-	113%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA1	MW9 SA3	MW9 SA3	MW10 SA1	-	-
Sample Date:	05-Feb-25 10:45	05-Feb-25 10:55	05-Feb-25 10:55	03-Feb-25 14:50	-	-
Sample ID:	2506346-15	2506346-16	2506346-16RE1	2506346-17	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	-	7	-	-
F2 PHCs (C10-C16)	4 ug/g	7	9	-	17	-	-
F3 PHCs (C16-C34)	8 ug/g	115	87	-	250	-	-
F4 PHCs (C34-C50)	6 ug/g	246 [1]	21	-	26	-	-
F4G PHCs (gravimetric)	50 ug/g	684	-	-	-	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	-	0.04	-	-
Benzo [a] anthracene	0.02 ug/g	0.03	0.02	-	0.09	-	-
Benzo [a] pyrene	0.02 ug/g	0.03	<0.02	-	0.05	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.05	<0.02	-	0.09	-	-
Benzo [g,h,i] perylene	0.02 ug/g	0.03	<0.02	-	0.04	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	-	0.03	-	-
Chrysene	0.02 ug/g	0.05	0.03	-	0.11	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Fluoranthene	0.02 ug/g	0.07	0.05	-	0.26	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.02	<0.02	-	0.03	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	0.08	-	0.27	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	0.11	-	0.40	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	0.19	-	0.67	-	-
Naphthalene	0.01 ug/g	<0.01	0.11	-	0.28	-	-
Phenanthrene	0.02 ug/g	0.03	0.11	-	0.36	-	-
Pyrene	0.02 ug/g	0.05	0.04	-	0.17	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: **WSP Canada Inc. (Windsor)**

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA1	MW9 SA3	MW9 SA3	MW10 SA1		
Sample Date:	05-Feb-25 10:45	05-Feb-25 10:55	05-Feb-25 10:55	03-Feb-25 14:50	-	-
Sample ID:	2506346-15	2506346-16	2506346-16RE1	2506346-17		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

2-Fluorobiphenyl	Surrogate	83.0%	75.9%	-	80.2%	-	-
Terphenyl-d14	Surrogate	78.5%	72.6%	-	71.1%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW10 SA3	MW11 SA1	MW11 SA2	MW12 SA1	-	-
Sample Date:	03-Feb-25 15:00	03-Feb-25 09:35	03-Feb-25 09:45	03-Feb-25 12:30	-	-
Sample ID:	2506346-19	2506346-20	2506346-21	2506346-22	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	84.0	86.8	83.7	81.8	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.13	-	0.43	0.35	-	-
Conductivity	5 uS/cm	111	-	172	268	-	-
Cyanide, free	0.03 ug/g	<0.03	-	<0.03	<0.03	-	-
pH	0.05 pH Units	8.26	-	7.49	7.39	-	-

Metals

Antimony	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	1.1	-	2.1	9.0	-	-
Barium	1.0 ug/g	6.4	-	42.8	79.5	-	-
Beryllium	0.5 ug/g	<0.5	-	<0.5	0.8	-	-
Boron, available	0.5 ug/g	<0.5	-	<0.5	0.5	-	-
Boron	5.0 ug/g	<5.0	-	6.2	11.4	-	-
Cadmium	0.5 ug/g	<0.5	-	<0.5	<0.5	-	-
Chromium	5.0 ug/g	5.8	-	20.4	22.1	-	-
Chromium (VI)	0.2 ug/g	<0.2	-	<0.2	<0.2	-	-
Cobalt	1.0 ug/g	2.0	-	6.5	8.9	-	-
Copper	5.0 ug/g	5.9	-	19.1	19.1	-	-
Lead	1.0 ug/g	2.3	-	7.3	16.4	-	-
Mercury	0.1 ug/g	<0.1	-	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	<1.0	-	<1.0	2.1	-	-
Nickel	5.0 ug/g	7.1	-	19.9	23.5	-	-
Selenium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	-	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW10 SA3	MW11 SA1	MW11 SA2	MW12 SA1	-	-
Sample Date:	03-Feb-25 15:00	03-Feb-25 09:35	03-Feb-25 09:45	03-Feb-25 12:30	-	-
Sample ID:	2506346-19	2506346-20	2506346-21	2506346-22	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Vanadium	10.0 ug/g	<10.0	-	28.7	35.3	-	-
Zinc	20.0 ug/g	<20.0	-	54.0	65.1	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	-	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW10 SA3	MW11 SA1	MW11 SA2	MW12 SA1	-	-
Sample Date:	03-Feb-25 15:00	03-Feb-25 09:35	03-Feb-25 09:45	03-Feb-25 12:30	-	-
Sample ID:	2506346-19	2506346-20	2506346-21	2506346-22	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	-	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	-	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	0.11	-	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	-	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
m,p-Xylenes	0.05 ug/g	<0.05	0.23	-	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	0.13	-	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	0.36	-	<0.05	-	-
Dibromofluoromethane	Surrogate	110%	102%	-	111%	-	-
Toluene-d8	Surrogate	114%	110%	-	116%	-	-
4-Bromofluorobenzene	Surrogate	107%	104%	-	103%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW10 SA3	MW11 SA1	MW11 SA2	MW12 SA1	-	-
Sample Date:	03-Feb-25 15:00	03-Feb-25 09:35	03-Feb-25 09:45	03-Feb-25 12:30	-	-
Sample ID:	2506346-19	2506346-20	2506346-21	2506346-22	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	-	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	14	<4	-	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	27	67	-	35	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	21	-	20	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	-	<0.02	0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	<0.02	-	<0.02	0.04	-	-
Fluorene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	-	<0.04	<0.04	-	-
Naphthalene	0.01 ug/g	<0.01	-	<0.01	<0.01	-	-
Phenanthrene	0.02 ug/g	<0.02	-	<0.02	0.02	-	-
Pyrene	0.02 ug/g	<0.02	-	<0.02	0.03	-	-
2-Fluorobiphenyl	Surrogate	67.6%	-	85.4%	76.4%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW10 SA3	MW11 SA1	MW11 SA2	MW12 SA1		
Sample Date:	03-Feb-25 15:00	03-Feb-25 09:35	03-Feb-25 09:45	03-Feb-25 12:30	-	-
Sample ID:	2506346-19	2506346-20	2506346-21	2506346-22		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	75.1%	-	85.3%	78.9%	-	-
---------------	-----------	-------	---	-------	-------	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW13 SA1	BH14 SA2	BH14 SA3	BH15 SA2	-	-
Sample Date:	03-Feb-25 11:10	04-Feb-25 14:15	04-Feb-25 14:25	04-Feb-25 13:35	-	-
Sample ID:	2506346-23	2506346-24	2506346-25	2506346-26	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	82.4	80.7	80.0	87.1	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.15	1.71	-	0.09	-	-
Conductivity	5 uS/cm	134	271	-	219	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	-	<0.03	-	-
pH	0.05 pH Units	7.31	6.86	-	7.29	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	-	<1.0	-	-
Arsenic	1.0 ug/g	8.2	6.7	-	4.2	-	-
Barium	1.0 ug/g	105	98.0	-	58.1	-	-
Beryllium	0.5 ug/g	1.0	1.1	-	<0.5	-	-
Boron, available	0.5 ug/g	<0.5	1.9	-	<0.5	-	-
Boron	5.0 ug/g	12.5	11.8	-	7.0	-	-
Cadmium	0.5 ug/g	<0.5	<0.5	-	<0.5	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	-	<0.2	-	-
Chromium	5.0 ug/g	30.1	30.1	-	9.9	-	-
Cobalt	1.0 ug/g	9.9	8.1	-	3.6	-	-
Copper	5.0 ug/g	16.5	17.1	-	10.8	-	-
Lead	1.0 ug/g	12.0	14.3	-	9.9	-	-
Mercury	0.1 ug/g	<0.1	<0.1	-	<0.1	-	-
Molybdenum	1.0 ug/g	2.3	1.8	-	1.6	-	-
Nickel	5.0 ug/g	26.3	21.6	-	10.0	-	-
Selenium	1.0 ug/g	<1.0	<1.0	-	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	-	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	-	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW13 SA1	BH14 SA2	BH14 SA3	BH15 SA2	-	-
Sample Date:	03-Feb-25 11:10	04-Feb-25 14:15	04-Feb-25 14:25	04-Feb-25 13:35	-	-
Sample ID:	2506346-23	2506346-24	2506346-25	2506346-26	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	1.3	1.7	-	1.1	-	-
Vanadium	10.0 ug/g	48.4	47.5	-	19.5	-	-
Zinc	20.0 ug/g	69.6	70.4	-	39.4	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW13 SA1	BH14 SA2	BH14 SA3	BH15 SA2	-	-
Sample Date:	03-Feb-25 11:10	04-Feb-25 14:15	04-Feb-25 14:25	04-Feb-25 13:35	-	-
Sample ID:	2506346-23	2506346-24	2506346-25	2506346-26	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	0.05	-	-
Dibromofluoromethane	Surrogate	111%	112%	111%	106%	-	-
4-Bromofluorobenzene	Surrogate	109%	110%	110%	105%	-	-
Toluene-d8	Surrogate	124%	116%	117%	108%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW13 SA1	BH14 SA2	BH14 SA3	BH15 SA2	-	-
Sample Date:	03-Feb-25 11:10	04-Feb-25 14:15	04-Feb-25 14:25	04-Feb-25 13:35	-	-
Sample ID:	2506346-23	2506346-24	2506346-25	2506346-26	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	49	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	27	-	-
F3 PHCs (C16-C34)	8 ug/g	<8	<8	<8	21	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	11	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	0.03	0.03	-	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	0.02	1.30	-	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.03	0.03	-	<0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Chrysene	0.02 ug/g	0.03	0.03	-	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Fluoranthene	0.02 ug/g	0.05	0.05	-	<0.02	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	-	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	0.02	<0.02	-	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	-	<0.04	-	-
Naphthalene	0.01 ug/g	0.01	<0.01	-	<0.01	-	-
Phenanthrene	0.02 ug/g	0.03	0.02	-	<0.02	-	-
Pyrene	0.02 ug/g	0.04	0.04	-	<0.02	-	-
2-Fluorobiphenyl	Surrogate	72.2%	61.6%	-	71.2%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: **WSP Canada Inc. (Windsor)**

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW13 SA1	BH14 SA2	BH14 SA3	BH15 SA2	
Sample Date:	03-Feb-25 11:10	04-Feb-25 14:15	04-Feb-25 14:25	04-Feb-25 13:35	-
Sample ID:	2506346-23	2506346-24	2506346-25	2506346-26	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	74.9%	63.7%	-	75.3%	-
---------------	-----------	-------	-------	---	-------	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH15 SA3	BH16 SA1	BH17 SA2	BH17 SA3	-	-
Sample Date:	04-Feb-25 13:40	04-Feb-25 10:00	04-Feb-25 16:30	04-Feb-25 16:35	-	-
Sample ID:	2506346-27	2506346-29	2506346-30	2506346-31	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	83.8	87.7	86.5	83.6	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	-	0.12	0.93	1.24	-	-
Conductivity	5 uS/cm	-	165	345	255	-	-
Cyanide, free	0.03 ug/g	-	<0.03	<0.03	<0.03	-	-
pH	0.05 pH Units	-	7.49	7.54	7.33	-	-

Metals

Antimony	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	-	9.4	4.4	13.4	-	-
Barium	1.0 ug/g	-	68.5	57.8	76.1	-	-
Beryllium	0.5 ug/g	-	0.7	<0.5	1.0	-	-
Boron	5.0 ug/g	-	16.3	8.3	11.6	-	-
Boron, available	0.5 ug/g	-	<0.5	0.8	<0.5	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	<0.5	-	-
Chromium	5.0 ug/g	-	22.5	22.5	27.0	-	-
Chromium (VI)	0.2 ug/g	-	<0.2	0.2	<0.2	-	-
Cobalt	1.0 ug/g	-	10.0	2.8	12.0	-	-
Copper	5.0 ug/g	-	16.2	23.3	24.8	-	-
Lead	1.0 ug/g	-	9.6	135	12.7	-	-
Mercury	0.1 ug/g	-	<0.1	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	-	2.5	2.4	3.8	-	-
Nickel	5.0 ug/g	-	25.6	13.0	30.1	-	-
Selenium	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	-	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH15 SA3	BH16 SA1	BH17 SA2	BH17 SA3	-	-
Sample Date:	04-Feb-25 13:40	04-Feb-25 10:00	04-Feb-25 16:30	04-Feb-25 16:35	-	-
Sample ID:	2506346-27	2506346-29	2506346-30	2506346-31	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	-	<1.0	<1.0	1.1	-	-
Vanadium	10.0 ug/g	-	36.1	18.7	47.2	-	-
Zinc	20.0 ug/g	-	57.5	55.2	62.0	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	0.12	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH15 SA3	BH16 SA1	BH17 SA2	BH17 SA3	-	-
Sample Date:	04-Feb-25 13:40	04-Feb-25 10:00	04-Feb-25 16:30	04-Feb-25 16:35	-	-
Sample ID:	2506346-27	2506346-29	2506346-30	2506346-31	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	0.13	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	0.16	<0.05	0.34	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	0.26	<0.05	-	-
Xylenes, total	0.05 ug/g	0.16	<0.05	0.60	<0.05	-	-
Toluene-d8	Surrogate	119%	111%	110%	113%	-	-
Dibromofluoromethane	Surrogate	109%	107%	104%	106%	-	-
4-Bromofluorobenzene	Surrogate	115%	106%	105%	107%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH15 SA3	BH16 SA1	BH17 SA2	BH17 SA3	-	-
Sample Date:	04-Feb-25 13:40	04-Feb-25 10:00	04-Feb-25 16:30	04-Feb-25 16:35	-	-
Sample ID:	2506346-27	2506346-29	2506346-30	2506346-31	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	41	<7	8	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	46	7	<4	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	15	26	46	<8	-	-
F4 PHCs (C34-C50)	6 ug/g	21	<6	16	<6	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	-	<0.02	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	-	<0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	-	<0.02	<0.02	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	-	<0.02	0.04	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	-	<0.02	0.03	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	-	<0.02	0.05	<0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	-	<0.02	0.03	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	-	<0.02	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	-	<0.02	0.06	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	-	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	-	<0.02	0.07	<0.02	-	-
Fluorene	0.02 ug/g	-	<0.02	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	-	<0.02	0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	-	<0.02	0.13	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	-	<0.02	0.18	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	-	<0.04	0.31	<0.04	-	-
Naphthalene	0.01 ug/g	-	<0.01	0.11	<0.01	-	-
Phenanthrene	0.02 ug/g	-	<0.02	0.14	<0.02	-	-
Pyrene	0.02 ug/g	-	<0.02	0.05	<0.02	-	-
2-Fluorobiphenyl	Surrogate	-	80.2%	76.7%	75.8%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH15 SA3	BH16 SA1	BH17 SA2	BH17 SA3		
Sample Date:	04-Feb-25 13:40	04-Feb-25 10:00	04-Feb-25 16:30	04-Feb-25 16:35	-	-
Sample ID:	2506346-27	2506346-29	2506346-30	2506346-31		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	-	81.6%	75.8%	74.7%	-	-
---------------	-----------	---	-------	-------	-------	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH18 SA2	BH18 SA3	BH19 SA2	BH20 SA2	-	-
Sample Date:	04-Feb-25 16:45	04-Feb-25 16:50	05-Feb-25 12:30	05-Feb-25 12:55	-	-
Sample ID:	2506346-32	2506346-33	2506346-35	2506346-36	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	85.8	84.1	85.8	82.9	-	-
>75 um	0.1 %	-	31.7	-	-	-	-
<75 um	0.1 %	-	68.3	-	-	-	-
Texture	0.1 %	-	Med/Fine	-	-	-	-

General Inorganics

SAR	0.01 N/A	0.21	0.57	0.35	0.54	-	-
Conductivity	5 uS/cm	218	166	299	368	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	-	-
pH	0.05 pH Units	7.53	7.32	7.56	7.68	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	3.6	10.9	3.2	10.1	-	-
Barium	1.0 ug/g	52.4	99.9	85.0	258	-	-
Beryllium	0.5 ug/g	<0.5	1.1	0.6	1.5	-	-
Boron, available	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Boron	5.0 ug/g	<5.0	11.5	6.2	6.2	-	-
Cadmium	0.5 ug/g	<0.5	<0.5	<0.5	<0.5	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	-	-
Chromium	5.0 ug/g	28.2	31.1	24.8	41.7	-	-
Cobalt	1.0 ug/g	1.9	11.4	2.3	5.7	-	-
Copper	5.0 ug/g	20.1	19.6	21.6	34.1	-	-
Lead	1.0 ug/g	54.2	12.6	22.2	51.1	-	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	3.0	2.6	2.4	3.2	-	-
Nickel	5.0 ug/g	22.1	29.1	20.1	36.7	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH18 SA2	BH18 SA3	BH19 SA2	BH20 SA2	-	-
Sample Date:	04-Feb-25 16:45	04-Feb-25 16:50	05-Feb-25 12:30	05-Feb-25 12:55	-	-
Sample ID:	2506346-32	2506346-33	2506346-35	2506346-36	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Selenium	1.0 ug/g	<1.0	<1.0	<1.0	1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-
Uranium	1.0 ug/g	<1.0	1.2	<1.0	<1.0	-	-
Vanadium	10.0 ug/g	<10.0	53.5	12.3	20.1	-	-
Zinc	20.0 ug/g	22.4	63.2	31.7	32.5	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH18 SA2	BH18 SA3	BH19 SA2	BH20 SA2	-	-
Sample Date:	04-Feb-25 16:45	04-Feb-25 16:50	05-Feb-25 12:30	05-Feb-25 12:55	-	-
Sample ID:	2506346-32	2506346-33	2506346-35	2506346-36	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	0.10	<0.05	<0.05	0.24	-	-
o-Xylene	0.05 ug/g	0.07	<0.05	<0.05	0.15	-	-
Xylenes, total	0.05 ug/g	0.18	<0.05	<0.05	0.38	-	-
Dibromofluoromethane	Surrogate	105%	110%	102%	103%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH18 SA2	BH18 SA3	BH19 SA2	BH20 SA2		
Sample Date:	04-Feb-25 16:45	04-Feb-25 16:50	05-Feb-25 12:30	05-Feb-25 12:55	-	-
Sample ID:	2506346-32	2506346-33	2506346-35	2506346-36		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Volatiles

4-Bromofluorobenzene	Surrogate	104%	108%	104%	105%	-	-
Toluene-d8	Surrogate	110%	115%	111%	115%	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	8	<4	7	6	-	-
F3 PHCs (C16-C34)	8 ug/g	113	<8	155	160	-	-
F4 PHCs (C34-C50)	6 ug/g	14	<6	48	32	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	0.03	-	-
Benzo [a] anthracene	0.02 ug/g	0.02	<0.02	0.03	0.06	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	0.04	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.03	<0.02	0.04	0.06	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	0.03	0.03	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	0.03	<0.02	0.05	0.07	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	0.03	<0.02	0.08	0.12	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.09	<0.02	0.14	0.10	-	-
2-Methylnaphthalene	0.02 ug/g	0.11	<0.02	0.21	0.14	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.20	<0.04	0.36	0.23	-	-
Naphthalene	0.01 ug/g	0.08	<0.01	0.18	0.10	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH18 SA2	BH18 SA3	BH19 SA2	BH20 SA2		
Sample Date:	04-Feb-25 16:45	04-Feb-25 16:50	05-Feb-25 12:30	05-Feb-25 12:55	-	-
Sample ID:	2506346-32	2506346-33	2506346-35	2506346-36		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Phenanthrene	0.02 ug/g	0.11	<0.02	0.20	0.17	-	-
Pyrene	0.02 ug/g	0.03	<0.02	0.06	0.09	-	-
2-Fluorobiphenyl	Surrogate	75.7%	75.1%	85.1%	66.5%	-	-
Terphenyl-d14	Surrogate	67.8%	78.6%	86.0%	63.2%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2	BH21 SA2	BH22 SA1	BH22 SA2	-	-
Sample Date:	05-Feb-25 13:05	05-Feb-25 13:05	03-Feb-25 15:40	03-Feb-25 15:45	-	-
Sample ID:	2506346-37	2506346-37RE1	2506346-38	2506346-39	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	82.5	-	88.2	86.8	-	-
----------	--------------	------	---	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.39	-	0.31	0.31	-	-
Conductivity	5 uS/cm	1130	-	364	165	-	-
Cyanide, free	0.03 ug/g	<0.03	-	<0.03	<0.03	-	-
pH	0.05 pH Units	10.23	9.84	7.71	7.50	-	-

Metals

Antimony	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	1.8	-	3.0	14.6	-	-
Barium	1.0 ug/g	42.7	-	44.9	40.2	-	-
Beryllium	0.5 ug/g	<0.5	-	<0.5	0.7	-	-
Boron	5.0 ug/g	6.8	-	5.6	6.0	-	-
Boron, available	0.5 ug/g	0.7	-	<0.5	<0.5	-	-
Cadmium	0.5 ug/g	<0.5	-	<0.5	<0.5	-	-
Chromium	5.0 ug/g	11.9	-	15.0	31.7	-	-
Chromium (VI)	0.2 ug/g	0.4	-	<0.2	<0.2	-	-
Cobalt	1.0 ug/g	1.2	-	2.3	10.5	-	-
Copper	5.0 ug/g	11.3	-	14.4	22.0	-	-
Lead	1.0 ug/g	7.3	-	106	13.8	-	-
Mercury	0.1 ug/g	<0.1	-	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	1.7	-	1.7	3.4	-	-
Nickel	5.0 ug/g	6.9	-	8.9	27.1	-	-
Selenium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	-	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2	BH21 SA2	BH22 SA1	BH22 SA2	-	-
Sample Date:	05-Feb-25 13:05	05-Feb-25 13:05	03-Feb-25 15:40	03-Feb-25 15:45	-	-
Sample ID:	2506346-37	2506346-37RE1	2506346-38	2506346-39	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	<1.0	-	<1.0	<1.0	-	-
Vanadium	10.0 ug/g	<10.0	-	14.2	54.2	-	-
Zinc	20.0 ug/g	<20.0	-	22.8	80.4	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	-	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2	BH21 SA2	BH22 SA1	BH22 SA2	-	-
Sample Date:	05-Feb-25 13:05	05-Feb-25 13:05	03-Feb-25 15:40	03-Feb-25 15:45	-	-
Sample ID:	2506346-37	2506346-37RE1	2506346-38	2506346-39	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	-	0.18	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	-	0.54	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	-	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	<0.05	-	1.30	<0.05	-	-
o-Xylene	0.05 ug/g	<0.05	-	1.05	<0.05	-	-
Xylenes, total	0.05 ug/g	<0.05	-	2.35	<0.05	-	-
4-Bromofluorobenzene	Surrogate	106%	-	105%	105%	-	-
Dibromofluoromethane	Surrogate	104%	-	103%	107%	-	-
Toluene-d8	Surrogate	112%	-	115%	112%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2	BH21 SA2	BH22 SA1	BH22 SA2	-	-
Sample Date:	05-Feb-25 13:05	05-Feb-25 13:05	03-Feb-25 15:40	03-Feb-25 15:45	-	-
Sample ID:	2506346-37	2506346-37RE1	2506346-38	2506346-39	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	-	15	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	11	-	22	6	-	-
F3 PHCs (C16-C34)	8 ug/g	213	-	338	41	-	-
F4 PHCs (C34-C50)	6 ug/g	25	-	36	11	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	0.03	-	0.06	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	0.05	-	0.12	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	0.02	-	0.05	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.04	-	0.12	<0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	0.06	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	0.06	-	0.16	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	0.13	-	0.17	<0.02	-	-
Fluorene	0.02 ug/g	<0.02	-	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	0.03	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.14	-	0.68	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	0.23	-	0.98	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.37	-	1.66	<0.04	-	-
Naphthalene	0.01 ug/g	0.18	-	0.66	<0.01	-	-
Phenanthrene	0.02 ug/g	0.24	-	0.65	<0.02	-	-
Pyrene	0.02 ug/g	0.10	-	0.14	<0.02	-	-
2-Fluorobiphenyl	Surrogate	67.2%	-	69.1%	73.0%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2	BH21 SA2	BH22 SA1	BH22 SA2		
Sample Date:	05-Feb-25 13:05	05-Feb-25 13:05	03-Feb-25 15:40	03-Feb-25 15:45	-	-
Sample ID:	2506346-37	2506346-37RE1	2506346-38	2506346-39		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	62.2%	-	63.6%	71.5%	-	-
---------------	-----------	-------	---	-------	-------	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1	BH23 SA2	BH24 SA1	BH25 SA1	-	-
Sample Date:	03-Feb-25 14:15	03-Feb-25 14:20	03-Feb-25 13:25	03-Feb-25 13:55	-	-
Sample ID:	2506346-40	2506346-41	2506346-42	2506346-43	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	88.6	87.2	82.8	82.6	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.41	0.63	1.35	0.15	-	-
Conductivity	5 uS/cm	384	180	351	209	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	<0.03	-	-
pH	0.05 pH Units	7.53	7.44	7.45	7.35	-	-

Metals

Antimony	1.0 ug/g	1.3	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	17.4	3.0	6.7	7.7	-	-
Barium	1.0 ug/g	137	43.6	70.5	79.3	-	-
Beryllium	0.5 ug/g	0.6	<0.5	0.8	0.9	-	-
Boron, available	0.5 ug/g	0.7	<0.5	0.8	<0.5	-	-
Boron	5.0 ug/g	10.6	<5.0	10.7	12.2	-	-
Cadmium	0.5 ug/g	0.7	<0.5	<0.5	<0.5	-	-
Chromium	5.0 ug/g	43.7	22.9	21.5	25.4	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	<0.2	-	-
Cobalt	1.0 ug/g	6.9	7.1	7.6	8.0	-	-
Copper	5.0 ug/g	63.6	15.2	20.8	20.8	-	-
Lead	1.0 ug/g	23.9	7.2	14.4	16.5	-	-
Mercury	0.1 ug/g	<0.1	<0.1	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	8.7	2.1	1.3	2.0	-	-
Nickel	5.0 ug/g	39.5	20.0	21.8	22.9	-	-
Selenium	1.0 ug/g	1.8	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1	BH23 SA2	BH24 SA1	BH25 SA1	-	-
Sample Date:	03-Feb-25 14:15	03-Feb-25 14:20	03-Feb-25 13:25	03-Feb-25 13:55	-	-
Sample ID:	2506346-40	2506346-41	2506346-42	2506346-43	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	<1.0	<1.0	<1.0	1.2	-	-
Vanadium	10.0 ug/g	25.3	30.5	32.7	38.4	-	-
Zinc	20.0 ug/g	81.0	52.9	62.4	79.3	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	0.20	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1	BH23 SA2	BH24 SA1	BH25 SA1	-	-
Sample Date:	03-Feb-25 14:15	03-Feb-25 14:20	03-Feb-25 13:25	03-Feb-25 13:55	-	-
Sample ID:	2506346-40	2506346-41	2506346-42	2506346-43	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	0.23	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	1.12	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	0.60	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	1.04	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	0.82	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	1.86	<0.05	<0.05	<0.05	-	-
Toluene-d8	Surrogate	109%	112%	115%	115%	-	-
4-Bromofluorobenzene	Surrogate	103%	106%	108%	108%	-	-
Dibromofluoromethane	Surrogate	97.1%	102%	103%	108%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1	BH23 SA2	BH24 SA1	BH25 SA1	-	-
Sample Date:	03-Feb-25 14:15	03-Feb-25 14:20	03-Feb-25 13:25	03-Feb-25 13:55	-	-
Sample ID:	2506346-40	2506346-41	2506346-42	2506346-43	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	30	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	17	<4	<4	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	172	20	32	29	-	-
F4 PHCs (C34-C50)	6 ug/g	26	9	15	12	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	0.07	<0.02	0.04	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	0.04	<0.02	0.03	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.07	<0.02	0.05	<0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	0.03	<0.02	0.03	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	0.10	<0.02	0.04	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	0.13	<0.02	0.07	<0.02	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.02	<0.02	0.03	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.40	<0.02	<0.02	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	0.56	<0.02	<0.02	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.96	<0.04	<0.04	<0.04	-	-
Naphthalene	0.01 ug/g	0.40	<0.01	<0.01	<0.01	-	-
Phenanthrene	0.02 ug/g	0.36	<0.02	0.04	<0.02	-	-
Pyrene	0.02 ug/g	0.09	<0.02	0.05	<0.02	-	-
2-Fluorobiphenyl	Surrogate	81.3%	77.3%	75.4%	74.6%	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1	BH23 SA2	BH24 SA1	BH25 SA1		
Sample Date:	03-Feb-25 14:15	03-Feb-25 14:20	03-Feb-25 13:25	03-Feb-25 13:55	-	-
Sample ID:	2506346-40	2506346-41	2506346-42	2506346-43		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	77.4%	80.9%	78.7%	73.4%	-	-
---------------	-----------	-------	-------	-------	-------	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH26 SA1	BH26 SA2	BH27 SA2	MW9 SA4	-	-
Sample Date:	04-Feb-25 13:55	04-Feb-25 14:00	05-Feb-25 13:20	05-Feb-25 11:05	-	-
Sample ID:	2506346-44	2506346-45	2506346-46	2506346-50	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	83.6	78.8	83.7	88.5	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	-	1.10	0.82	-	-	-
Conductivity	5 uS/cm	-	311	958	212	-	-
Cyanide, free	0.03 ug/g	-	<0.03	<0.03	-	-	-
pH	0.05 pH Units	-	7.49	10.13	7.81	-	-

Metals

Antimony	1.0 ug/g	-	<1.0	3.5	-	-	-
Arsenic	1.0 ug/g	-	12.1	31.2	-	-	-
Barium	1.0 ug/g	-	110	97.9	-	-	-
Beryllium	0.5 ug/g	-	1.2	0.7	-	-	-
Boron, available	0.5 ug/g	-	<0.5	0.6	-	-	-
Boron	5.0 ug/g	-	15.7	10.7	-	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	-	-	-
Chromium	5.0 ug/g	-	34.0	191	-	-	-
Chromium (VI)	0.2 ug/g	-	<0.2	<0.2	-	-	-
Cobalt	1.0 ug/g	-	14.4	9.9	-	-	-
Copper	5.0 ug/g	-	24.4	112	-	-	-
Lead	1.0 ug/g	-	18.1	130	-	-	-
Mercury	0.1 ug/g	-	<0.1	<0.1	-	-	-
Molybdenum	1.0 ug/g	-	3.4	44.2	-	-	-
Nickel	5.0 ug/g	-	36.6	241	-	-	-
Selenium	1.0 ug/g	-	<1.0	<1.0	-	-	-
Silver	0.3 ug/g	-	<0.3	<0.3	-	-	-
Thallium	1.0 ug/g	-	<1.0	<1.0	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH26 SA1	BH26 SA2	BH27 SA2	MW9 SA4	-	-
Sample Date:	04-Feb-25 13:55	04-Feb-25 14:00	05-Feb-25 13:20	05-Feb-25 11:05	-	-
Sample ID:	2506346-44	2506346-45	2506346-46	2506346-50	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	-	1.2	<1.0	-	-
Vanadium	10.0 ug/g	-	55.6	22.2	-	-
Zinc	20.0 ug/g	-	88.2	124	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH26 SA1	BH26 SA2	BH27 SA2	MW9 SA4	-	-
Sample Date:	04-Feb-25 13:55	04-Feb-25 14:00	05-Feb-25 13:20	05-Feb-25 11:05	-	-
Sample ID:	2506346-44	2506346-45	2506346-46	2506346-50	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	-	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05	0.07	0.15	-	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Xylenes, total	0.05 ug/g	<0.05	0.07	0.15	-	-	-
Dibromofluoromethane	Surrogate	114%	114%	109%	-	-	-
Toluene-d8	Surrogate	115%	124%	112%	-	-	-
4-Bromofluorobenzene	Surrogate	110%	112%	105%	-	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH26 SA1	BH26 SA2	BH27 SA2	MW9 SA4	-	-
Sample Date:	04-Feb-25 13:55	04-Feb-25 14:00	05-Feb-25 13:20	05-Feb-25 11:05	-	-
Sample ID:	2506346-44	2506346-45	2506346-46	2506346-50	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	51	<7	-	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	26	51	-	-	-
F3 PHCs (C16-C34)	8 ug/g	51	40	1380	-	-	-
F4 PHCs (C34-C50)	6 ug/g	24	17	624 [1]	-	-	-
F4G PHCs (gravimetric)	50 ug/g	-	-	1360	-	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	-	<0.02	<0.02	-	-	-
Acenaphthylene	0.02 ug/g	-	<0.02	<0.02	-	-	-
Anthracene	0.02 ug/g	-	<0.02	0.03	-	-	-
Benzo [a] anthracene	0.02 ug/g	-	<0.02	0.18	-	-	-
Benzo [a] pyrene	0.02 ug/g	-	<0.02	0.15	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	-	<0.02	0.16	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	-	<0.02	0.11	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	-	<0.02	0.03	-	-	-
Chrysene	0.02 ug/g	-	<0.02	0.35	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	-	<0.02	<0.02	-	-	-
Fluoranthene	0.02 ug/g	-	<0.02	0.25	-	-	-
Fluorene	0.02 ug/g	-	<0.02	<0.02	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	-	<0.02	0.08	-	-	-
1-Methylnaphthalene	0.02 ug/g	-	<0.02	0.11	-	-	-
2-Methylnaphthalene	0.02 ug/g	-	<0.02	0.15	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	-	<0.04	0.26	-	-	-
Naphthalene	0.01 ug/g	-	<0.01	0.08	-	-	-
Phenanthrene	0.02 ug/g	-	<0.02	0.45	-	-	-
Pyrene	0.02 ug/g	-	<0.02	0.40	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH26 SA1	BH26 SA2	BH27 SA2	MW9 SA4		
Sample Date:	04-Feb-25 13:55	04-Feb-25 14:00	05-Feb-25 13:20	05-Feb-25 11:05	-	-
Sample ID:	2506346-44	2506346-45	2506346-46	2506346-50		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Semi-Volatiles

2-Fluorobiphenyl	Surrogate	-	68.7%	89.5%	-	-	-
Terphenyl-d14	Surrogate	-	73.8%	84.5%	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-1	DUPS-3	DUPS-5	DUPS-6		
Sample Date:	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	-	-
Sample ID:	2506346-51	2506346-52	2506346-53	2506346-54		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	86.9	82.0	86.6	83.3	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.23	0.16	0.56	-	-	-
Conductivity	5 uS/cm	241	159	166	-	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	-	-	-
pH	0.05 pH Units	7.68	7.35	7.34	-	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	-	-	-
Arsenic	1.0 ug/g	5.9	8.5	2.8	-	-	-
Barium	1.0 ug/g	216	110	41.7	-	-	-
Beryllium	0.5 ug/g	0.8	1.1	<0.5	-	-	-
Boron, available	0.5 ug/g	0.5	<0.5	<0.5	-	-	-
Boron	5.0 ug/g	19.3	12.4	<5.0	-	-	-
Cadmium	0.5 ug/g	0.6	<0.5	<0.5	-	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	-	-	-
Chromium	5.0 ug/g	40.7	30.5	20.6	-	-	-
Cobalt	1.0 ug/g	5.2	13.5	6.2	-	-	-
Copper	5.0 ug/g	38.4	17.8	12.8	-	-	-
Lead	1.0 ug/g	38.5	12.9	6.8	-	-	-
Mercury	0.1 ug/g	0.1	<0.1	<0.1	-	-	-
Molybdenum	1.0 ug/g	5.2	2.7	2.3	-	-	-
Nickel	5.0 ug/g	29.4	30.8	18.1	-	-	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	-	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	-	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-1	DUPS-3	DUPS-5	DUPS-6	-	-
Sample Date:	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	-	-
Sample ID:	2506346-51	2506346-52	2506346-53	2506346-54	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Metals

Uranium	1.0 ug/g	1.1	1.3	<1.0	-	-
Vanadium	10.0 ug/g	30.6	49.5	28.9	-	-
Zinc	20.0 ug/g	105	68.8	40.3	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-1	DUPS-3	DUPS-5	DUPS-6	-	-
Sample Date:	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	-	-
Sample ID:	2506346-51	2506346-52	2506346-53	2506346-54	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	<0.50	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Trichloroethylene	0.05 ug/g	0.14	<0.05	<0.05	<0.05	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	<0.05	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
m,p-Xylenes	0.05 ug/g	0.33	<0.05	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	0.19	<0.05	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	0.53	<0.05	<0.05	<0.05	-	-
Dibromofluoromethane	Surrogate	97.7%	105%	107%	111%	-	-
Toluene-d8	Surrogate	108%	115%	111%	120%	-	-
4-Bromofluorobenzene	Surrogate	103%	109%	106%	109%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-1	DUPS-3	DUPS-5	DUPS-6	-	-
Sample Date:	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	-	-
Sample ID:	2506346-51	2506346-52	2506346-53	2506346-54	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	9	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	32	<8	<8	13	-	-
F4 PHCs (C34-C50)	6 ug/g	7	<6	<6	<6	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Benzo [a] anthracene	0.02 ug/g	0.02	0.03	<0.02	-	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.02	0.03	<0.02	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Chrysene	0.02 ug/g	0.02	0.03	<0.02	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Fluoranthene	0.02 ug/g	0.04	0.05	<0.02	-	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
1-Methylnaphthalene	0.02 ug/g	0.06	<0.02	<0.02	-	-	-
2-Methylnaphthalene	0.02 ug/g	0.09	0.02	<0.02	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.15	<0.04	<0.04	-	-	-
Naphthalene	0.01 ug/g	0.07	0.01	<0.01	-	-	-
Phenanthrene	0.02 ug/g	0.08	0.05	<0.02	-	-	-
Pyrene	0.02 ug/g	0.02	0.04	<0.02	-	-	-
2-Fluorobiphenyl	Surrogate	65.7%	69.0%	80.0%	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-1	DUPS-3	DUPS-5	DUPS-6	
Sample Date:	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	03-Feb-25 00:00	-
Sample ID:	2506346-51	2506346-52	2506346-53	2506346-54	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	63.3%	70.0%	81.8%	-	-	-
---------------	-----------	-------	-------	-------	---	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-7					
Sample Date:	04-Feb-25 00:00					
Sample ID:	2506346-55					
Matrix:	Soil					
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	86.9	-	-	-	-
----------	--------------	------	---	---	---	---

General Inorganics

SAR	0.01 N/A	0.65	-	-	-	-
Conductivity	5 uS/cm	186	-	-	-	-
Cyanide, free	0.03 ug/g	<0.03	-	-	-	-
pH	0.05 pH Units	7.56	-	-	-	-

Metals

Antimony	1.0 ug/g	<1.0	-	-	-	-
Arsenic	1.0 ug/g	8.7	-	-	-	-
Barium	1.0 ug/g	57.3	-	-	-	-
Beryllium	0.5 ug/g	0.7	-	-	-	-
Boron	5.0 ug/g	13.0	-	-	-	-
Boron, available	0.5 ug/g	<0.5	-	-	-	-
Cadmium	0.5 ug/g	<0.5	-	-	-	-
Chromium (VI)	0.2 ug/g	<0.2	-	-	-	-
Chromium	5.0 ug/g	20.6	-	-	-	-
Cobalt	1.0 ug/g	9.9	-	-	-	-
Copper	5.0 ug/g	17.5	-	-	-	-
Lead	1.0 ug/g	10.5	-	-	-	-
Mercury	0.1 ug/g	<0.1	-	-	-	-
Molybdenum	1.0 ug/g	2.8	-	-	-	-
Nickel	5.0 ug/g	23.0	-	-	-	-
Selenium	1.0 ug/g	<1.0	-	-	-	-
Silver	0.3 ug/g	<0.3	-	-	-	-
Thallium	1.0 ug/g	<1.0	-	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-7					
Sample Date:	04-Feb-25 00:00					
Sample ID:	2506346-55					
Matrix:	Soil					
MDL/Units						

Metals

Uranium	1.0 ug/g	<1.0	-	-	-	-
Vanadium	10.0 ug/g	33.7	-	-	-	-
Zinc	20.0 ug/g	50.1	-	-	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	-	-	-	-
Benzene	0.02 ug/g	<0.02	-	-	-	-
Bromodichloromethane	0.05 ug/g	<0.05	-	-	-	-
Bromoform	0.05 ug/g	<0.05	-	-	-	-
Bromomethane	0.05 ug/g	<0.05	-	-	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	-	-	-	-
Chlorobenzene	0.05 ug/g	<0.05	-	-	-	-
Chloroform	0.05 ug/g	<0.05	-	-	-	-
Dibromochloromethane	0.05 ug/g	<0.05	-	-	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	-	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	-	-	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	-	-	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	-	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-7					
Sample Date:	04-Feb-25 00:00					
Sample ID:	2506346-55					
Matrix:	Soil					
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	-	-	-
Ethylbenzene	0.05 ug/g	<0.05	-	-	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	-	-	-
Hexane	0.05 ug/g	<0.05	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	-	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	-	-	-
Methylene Chloride	0.05 ug/g	<0.05	-	-	-	-
Styrene	0.05 ug/g	<0.05	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	-	-	-	-
Toluene	0.05 ug/g	<0.05	-	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	-	-	-
Trichloroethylene	0.05 ug/g	<0.05	-	-	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	-	-	-	-
Vinyl chloride	0.02 ug/g	<0.02	-	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05	-	-	-	-
o-Xylene	0.05 ug/g	<0.05	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05	-	-	-	-
4-Bromofluorobenzene	Surrogate	107%	-	-	-	-
Toluene-d8	Surrogate	112%	-	-	-	-
Dibromofluoromethane	Surrogate	106%	-	-	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-7					
Sample Date:	04-Feb-25 00:00					
Sample ID:	2506346-55					
Matrix:	Soil					
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	-	-	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	-	-	-	-
F3 PHCs (C16-C34)	8 ug/g	<8	-	-	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	-	-	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	-	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	-	-	-
Anthracene	0.02 ug/g	<0.02	-	-	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	-	-	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	-	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Chrysene	0.02 ug/g	<0.02	-	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	-	-	-
Fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Fluorene	0.02 ug/g	<0.02	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	-	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	-	-	-	-
Naphthalene	0.01 ug/g	<0.01	-	-	-	-
Phenanthrene	0.02 ug/g	<0.02	-	-	-	-
Pyrene	0.02 ug/g	<0.02	-	-	-	-
2-Fluorobiphenyl	Surrogate	67.9%	-	-	-	-

Certificate of Analysis

Report Date: 12-Mar-2025

Client: **WSP Canada Inc. (Windsor)**

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	DUPS-7					
Sample Date:	04-Feb-25 00:00				-	-
Sample ID:	2506346-55					
Matrix:	Soil					
MDL/Units						

Semi-Volatiles

Terphenyl-d14	Surrogate	70.5%	-	-	-	-	-
---------------	-----------	-------	---	---	---	---	---

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
Conductivity	ND	5	uS/cm					
Cyanide, free	ND	0.03	ug/g					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
F4G PHCs (gravimetric)	ND	50	ug/g					
Metals								
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron, available	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium (VI)	ND	0.2	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Mercury	ND	0.1	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
Semi-Volatiles								
Acenaphthene	ND	0.02	ug/g					

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthylene	ND	0.02	ug/g					
Anthracene	ND	0.02	ug/g					
Benzo [a] anthracene	ND	0.02	ug/g					
Benzo [a] pyrene	ND	0.02	ug/g					
Benzo [b] fluoranthene	ND	0.02	ug/g					
Benzo [g,h,i] perylene	ND	0.02	ug/g					
Benzo [k] fluoranthene	ND	0.02	ug/g					
Chrysene	ND	0.02	ug/g					
Dibenzo [a,h] anthracene	ND	0.02	ug/g					
Fluoranthene	ND	0.02	ug/g					
Fluorene	ND	0.02	ug/g					
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g					
1-Methylnaphthalene	ND	0.02	ug/g					
2-Methylnaphthalene	ND	0.02	ug/g					
Methylnaphthalene (1&2)	ND	0.04	ug/g					
Naphthalene	ND	0.01	ug/g					
Phenanthrene	ND	0.02	ug/g					
Pyrene	ND	0.02	ug/g					
Surrogate: 2-Fluorobiphenyl	1.09		%	81.8	50-140			
Surrogate: Terphenyl-d14	1.16		%	87.2	50-140			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					
1,1-Dichloroethane	ND	0.05	ug/g					
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	7.64		%	95.5	50-140			

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	7.33		%	91.6	50-140			
Surrogate: Toluene-d8	8.60		%	108	50-140			
Benzene	ND	0.02	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: Toluene-d8	8.60		%	108	50-140			

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
SAR	1.05	0.01	N/A	1.05			0.0	30	
Conductivity	254	5	uS/cm	245			3.3	5	
Cyanide, free	ND	0.03	ug/g	ND			NC	35	
pH	7.48	0.05	pH Units	7.49			0.1	2.3	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	6	4	ug/g	7			13.9	30	
F3 PHCs (C16-C34)	ND	8	ug/g	ND			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	10.7	1.0	ug/g	9.6			10.5	30	
Barium	81.1	1.0	ug/g	74.5			8.6	30	
Beryllium	0.9	0.5	ug/g	0.8			8.4	30	
Boron, available	2.05	0.5	ug/g	1.93			5.9	35	
Boron	19.3	5.0	ug/g	17.9			7.6	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium (VI)	ND	0.2	ug/g	ND			NC	35	
Chromium	26.4	5.0	ug/g	23.5			11.7	30	
Cobalt	13.0	1.0	ug/g	11.4			12.5	30	
Copper	20.9	5.0	ug/g	19.2			8.5	30	
Lead	13.6	1.0	ug/g	12.9			5.3	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	4.5	1.0	ug/g	4.2			7.5	30	
Nickel	30.5	5.0	ug/g	27.4			10.8	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	ND	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	1.3	1.0	ug/g	1.2			11.9	30	
Vanadium	40.1	10.0	ug/g	36.0			10.7	30	

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Zinc	66.5	20.0	ug/g	60.8			9.0	30	
Physical Characteristics									
% Solids	87.1	0.1	% by Wt.	86.1			1.1	25	
Semi-Volatiles									
Acenaphthene	ND	0.02	ug/g	ND			NC	40	
Acenaphthylene	ND	0.02	ug/g	ND			NC	40	
Anthracene	ND	0.02	ug/g	ND			NC	40	
Benzo [a] anthracene	ND	0.02	ug/g	ND			NC	40	
Benzo [a] pyrene	ND	0.02	ug/g	ND			NC	40	
Benzo [b] fluoranthene	ND	0.02	ug/g	ND			NC	40	
Benzo [g,h,i] perylene	ND	0.02	ug/g	ND			NC	40	
Benzo [k] fluoranthene	ND	0.02	ug/g	ND			NC	40	
Chrysene	ND	0.02	ug/g	ND			NC	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g	ND			NC	40	
Fluoranthene	ND	0.02	ug/g	ND			NC	40	
Fluorene	ND	0.02	ug/g	ND			NC	40	
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g	ND			NC	40	
1-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
Naphthalene	ND	0.01	ug/g	ND			NC	40	
Phenanthrene	ND	0.02	ug/g	ND			NC	40	
Pyrene	ND	0.02	ug/g	ND			NC	40	
Surrogate: 2-Fluorobiphenyl	1.00		%		58.8	50-140			
Surrogate: Terphenyl-d14	0.982		%		57.4	50-140			
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	0.062	0.05	ug/g	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	9.10		%		101	50-140			
Surrogate: Dibromofluoromethane	9.21		%		102	50-140			
Surrogate: Toluene-d8	9.98		%		110	50-140			
Benzene	ND	0.02	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: Toluene-d8	9.98		%		110	50-140			

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	0.235	0.03	ug/g	ND	64.1	50-150			
Hydrocarbons									
F1 PHCs (C6-C10)	190	7	ug/g	ND	111	85-115			
F2 PHCs (C10-C16)	105	4	ug/g	7	102	60-140			
F3 PHCs (C16-C34)	261	8	ug/g	ND	111	60-140			
F4 PHCs (C34-C50)	184	6	ug/g	ND	124	60-140			
F4G PHCs (gravimetric)	990	50	ug/g	ND	99.0	80-120			
Metals									
Antimony	36.0	1.0	ug/g	ND	71.5	70-130			
Arsenic	53.9	1.0	ug/g	3.8	100	70-130			
Barium	80.2	1.0	ug/g	29.8	101	70-130			
Beryllium	55.2	0.5	ug/g	ND	110	70-130			
Boron, available	6.17	0.5	ug/g	ND	123	70-122			QM-07
Boron	59.2	5.0	ug/g	7.2	104	70-130			
Cadmium	48.8	0.5	ug/g	ND	97.4	70-130			
Chromium (VI)	0.1	0.2	ug/g	ND	65.5	48-112			
Chromium	65.2	5.0	ug/g	9.4	112	70-130			
Cobalt	56.9	1.0	ug/g	4.6	105	70-130			
Copper	56.1	5.0	ug/g	7.7	96.9	70-130			
Lead	51.5	1.0	ug/g	5.2	92.6	70-130			
Mercury	1.49	0.1	ug/g	ND	99.6	70-130			
Molybdenum	50.9	1.0	ug/g	1.7	98.5	70-130			
Nickel	62.1	5.0	ug/g	10.9	102	70-130			
Selenium	50.6	1.0	ug/g	ND	101	70-130			
Silver	42.4	0.3	ug/g	ND	84.7	70-130			
Thallium	46.8	1.0	ug/g	ND	93.2	70-130			
Uranium	47.3	1.0	ug/g	ND	93.7	70-130			
Vanadium	70.7	10.0	ug/g	14.4	112	70-130			
Zinc	77.3	20.0	ug/g	24.3	106	70-130			

Semi-Volatiles

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthene	0.185	0.02	ug/g	ND	86.8	50-140			
Acenaphthylene	0.180	0.02	ug/g	ND	84.2	50-140			
Anthracene	0.182	0.02	ug/g	ND	85.3	50-140			
Benzo [a] anthracene	0.182	0.02	ug/g	ND	85.2	50-140			
Benzo [a] pyrene	0.168	0.02	ug/g	ND	78.4	50-140			
Benzo [b] fluoranthene	0.204	0.02	ug/g	ND	95.2	50-140			
Benzo [g,h,i] perylene	0.155	0.02	ug/g	ND	72.7	50-140			
Benzo [k] fluoranthene	0.178	0.02	ug/g	ND	83.4	50-140			
Chrysene	0.205	0.02	ug/g	ND	95.9	50-140			
Dibenzo [a,h] anthracene	0.174	0.02	ug/g	ND	81.2	50-140			
Fluoranthene	0.219	0.02	ug/g	ND	103	50-140			
Fluorene	0.187	0.02	ug/g	ND	87.3	50-140			
Indeno [1,2,3-cd] pyrene	0.159	0.02	ug/g	ND	74.2	50-140			
1-Methylnaphthalene	0.166	0.02	ug/g	ND	77.5	50-140			
2-Methylnaphthalene	0.183	0.02	ug/g	ND	85.6	50-140			
Naphthalene	0.182	0.01	ug/g	ND	85.0	50-140			
Phenanthrene	0.198	0.02	ug/g	ND	92.4	50-140			
Pyrene	0.167	0.02	ug/g	ND	78.1	50-140			
Surrogate: 2-Fluorobiphenyl	1.17		%		68.2	50-140			
Surrogate: Terphenyl-d14	1.11		%		65.0	50-140			
Volatiles									
Acetone	8.88	0.50	ug/g	ND	88.8	50-140			
Benzene	4.02	0.02	ug/g	ND	101	60-130			
Bromodichloromethane	3.21	0.05	ug/g	ND	80.3	60-130			
Bromoform	3.35	0.05	ug/g	ND	83.8	60-130			
Bromomethane	4.13	0.05	ug/g	ND	103	50-140			
Carbon Tetrachloride	3.01	0.05	ug/g	ND	75.2	60-130			
Chlorobenzene	3.71	0.05	ug/g	ND	92.9	60-130			
Chloroform	3.21	0.05	ug/g	ND	80.4	60-130			
Dibromochloromethane	3.17	0.05	ug/g	ND	79.3	60-130			
Dichlorodifluoromethane	3.81	0.05	ug/g	ND	95.2	50-140			

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,2-Dichlorobenzene	3.50	0.05	ug/g	ND	87.4	60-130			
1,3-Dichlorobenzene	3.53	0.05	ug/g	ND	88.3	60-130			
1,4-Dichlorobenzene	3.49	0.05	ug/g	ND	87.2	60-130			
1,1-Dichloroethane	3.65	0.05	ug/g	ND	91.3	60-130			
1,2-Dichloroethane	3.08	0.05	ug/g	ND	77.1	60-130			
1,1-Dichloroethylene	3.51	0.05	ug/g	ND	87.8	60-130			
cis-1,2-Dichloroethylene	3.25	0.05	ug/g	ND	81.1	60-130			
trans-1,2-Dichloroethylene	3.24	0.05	ug/g	ND	80.9	60-130			
1,2-Dichloropropane	3.27	0.05	ug/g	ND	81.8	60-130			
cis-1,3-Dichloropropylene	2.88	0.05	ug/g	ND	72.0	60-130			
trans-1,3-Dichloropropylene	2.91	0.05	ug/g	ND	72.8	60-130			
Ethylbenzene	4.20	0.05	ug/g	ND	105	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	2.68	0.05	ug/g	ND	66.9	60-130			
Hexane	3.88	0.05	ug/g	ND	96.9	60-130			
Methyl Ethyl Ketone (2-Butanone)	7.35	0.50	ug/g	ND	73.5	50-140			
Methyl Isobutyl Ketone	8.01	0.50	ug/g	ND	80.1	50-140			
Methyl tert-butyl ether	8.28	0.05	ug/g	ND	82.8	50-140			
Methylene Chloride	4.17	0.05	ug/g	ND	104	60-130			
Styrene	3.68	0.05	ug/g	ND	91.9	60-130			
1,1,1,2-Tetrachloroethane	2.92	0.05	ug/g	ND	73.0	60-130			
1,1,2,2-Tetrachloroethane	2.66	0.05	ug/g	ND	66.4	60-130			
Tetrachloroethylene	3.11	0.05	ug/g	ND	77.6	60-130			
Toluene	4.05	0.05	ug/g	ND	101	60-130			
1,1,1-Trichloroethane	2.76	0.05	ug/g	ND	69.0	60-130			
1,1,2-Trichloroethane	2.98	0.05	ug/g	ND	74.4	60-130			
Trichloroethylene	2.76	0.05	ug/g	ND	68.9	60-130			
Trichlorofluoromethane	3.70	0.05	ug/g	ND	92.6	50-140			
Vinyl chloride	3.46	0.02	ug/g	ND	86.5	50-140			
m,p-Xylenes	8.45	0.05	ug/g	ND	106	60-130			
o-Xylene	4.27	0.05	ug/g	ND	107	60-130			
Surrogate: 4-Bromofluorobenzene	7.64		%		95.5	50-140			

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
<i>Surrogate: Dibromofluoromethane</i>	6.87		%		85.8	50-140			
<i>Surrogate: Toluene-d8</i>	8.32		%		104	50-140			
Benzene	4.02	0.02	ug/g	ND	101	60-130			
Ethylbenzene	4.20	0.05	ug/g	ND	105	60-130			
Toluene	4.05	0.05	ug/g	ND	101	60-130			
m,p-Xylenes	8.45	0.05	ug/g	ND	106	60-130			
o-Xylene	4.27	0.05	ug/g	ND	107	60-130			
<i>Surrogate: Toluene-d8</i>	8.32		%		104	50-140			

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Qualifier Notes:**Sample Qualifiers :**

- 1: GC-FID signal did not return to baseline by C50
Applies to Samples: MW9 SA1, BH27 SA2

QC Qualifiers:

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on other acceptable QC.

Sample Data Revisions:

None

Certificate of Analysis

Report Date: 12-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Work Order Revisions / Comments:

REVISION 1 - This report includes updated Chloroform data, as well as additional re-extracted pH data for samples 2506346-16 (2506346-16RE1) and 2506346-37 (2506346-37RE1).

Revision - 2: This report has been revised to contain additional data to sample 20.

Revision - 3: This report has been revised to contain additional data to sample 50.

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unless otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.

- F1 range corrected for BTEX.

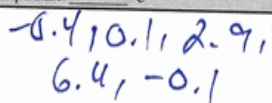
- F2 to F3 ranges corrected for appropriate PAHs where available.

- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.

- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.

- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.





Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Parcel Order Number: 2506346 (BULK)
AND 2506351 (TCLP)

Required Analyses

Parcel Order Number: 2506346 (BULK) AND 2506351 (TCLP)						Matrix	Air Volume	# of Containers	Sample Taken		Required Analyses										Texture	HOLD																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
Sample ID/Location Name		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP						Hg	CrVI	B (HWS)	O Reg. 153 M&I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
		Date	Time																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Walk in

Relinquished By (Sign):	Received by Driver/Depot:	Received at Lab:	Verified By:
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb 7 10:15	Date/Time: Feb. 6/25 14:00
Date/Time: February 6, 2025	Temperature: 5.0 °C	Temperature: °C	pH Verified [] By:



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)						Required Analyses																							
Paracel Order Number: 2506346 (BULK) AND 2506351 (TCLP)						Matrix	Air Volume	# of Containers	Sample Taken Date Time		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP Hg	CrVI	B (HWS)	O. Reg. 153 M&I	Texture	HOLD										
Sample ID/Location Name																													
1	MW11 SA2	S		2	3-Feb-25	0945																							
2	MW12 SA1	S		2	3-Feb-25	1230																							
3	MW13 SA1	S		2	3-Feb-25	1110																							
4	BH14 SA2	S		2	4-Feb-25	1415																							
5	BH14 SA3	S		2	4-Feb-25	1425																							
6	BH15 SA2	S		2	4-Feb-25	1335																							
7	BH15 SA3	S		2	4-Feb-25	1340																							
8	BH15 SA4	S		2	4-Feb-25	1345																							
9	BH16 SA1	S		2	4-Feb-25	1000																							
10	BH17 SA2	S		2	4-Feb-25	1630																							

Comments: Use COC sample ID if difference between COC and soil jar				Method of Delivery: Walk in			
Relinquished By (Sign):	Received by Driver/Depot: K. Jakobsen	Received at:	Verified By: K. Jakobsen				
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb 7/15	Date/Time: Feb. 6/25 14:00				
Date/Time: February 6, 2025	Temperature: 5.0 °C	Temperature: °C	pH Verified [] By:				



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Parcel Order Number: 2506346 (BULK) AND 2506351 (TCLP)						Matrix	Air Volume	# of Containers	Sample Taken		Required Analyses											
Sample ID/Location Name		Date	Time	PHCs F1-F4+BTEX	VOCs				PAHs	Metals by ICP			B (HWS)			O. Reg. 153 M&I	Texture	HOLD				
1	BH17 SA3	S		2	4-Feb-25	1635	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
2	BH18 SA2	S		2	4-Feb-25	1645	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
3	BH18 SA3	S		2	4-Feb-25	1650	☒	☒	☒	☐	☐	☐	☐	☐	☒	☒	☐	☐	☐	☐	☐	
4	BH18 SA4	S		2	4-Feb-25	1655	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	
5	BH19 SA2	S		2	5-Feb-25	1230	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
6	BH20 SA2	S		2	5-Feb-25	1255	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
7	BH21 SA2	S		2	5-Feb-25	1305	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
8	BH22 SA1	S		2	3-Feb-25	1540	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
9	BH22 SA2	S		2	3-Feb-25	1545	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	
10	BH23 SA1	S		2	3-Feb-25	1415	☒	☒	☒	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	

Comments: Use COC sample ID if difference between COC and soil jar				Method of Delivery: Walk in	
Relinquished By (Sign):	Received by Driver/Depot: K. Jakobsen	Received at Lab:	Verified By: K. Jakobsen		
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb 7/15	Date/Time: Feb. 6/25 14:00		
Date/Time: February 6, 2025	Temperature: 5.0 °C	Temperature: °C	pH Verified [] By:		



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Paracel Order Number: 2506346 (PULK) AND 2506351 (TCLP)						Required Analyses													
Sample ID/Location Name		Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CvI	B (HWS)	O. Reg. 153 M&I	Texture	HOLD			
					Date	Time													
1	BH23 SA2	S		2	3-Feb-25	1420	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
2	BH24 SA1	S		2	3-Feb-25	1325	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
3	BH25 SA1	S		2	3-Feb-25	1355	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
4	BH26 SA1	S		2	4-Feb-25	1355	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
5	BH26 SA2	S		2	4-Feb-25	1400	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
6	BH27 SA2	S		2	5-Feb-25	1320	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
7	BH27 SA3	S		2	5-Feb-25	1330	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐
8	MW6 SA2	S		2	5-Feb-25	0835	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐
9	MW8 SA2	S		2	5-Feb-25	0940	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐
10	MW9 SA4	S		2	5-Feb-25	1105	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐

Comments: Use COC sample ID if difference between COC and soil jar		Method of Delivery: Walk in	
Relinquished By (Sign): <i>[Signature]</i>	Received by Driver/Depot: K. Jakobsen	Received at Lab: <i>[Signature]</i>	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb. 7/25 10:15	Date/Time: Feb. 6/25 14:00
Date/Time: February 6, 2025	Temperature: 5.0 °C	Temperature: °C	pH Verified [] By: _____



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)						Required Analyses														
Parcel Order Number: 2506346 (BULK) AND 2506351 (TCLP)		Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O. Reg. 153 M&I			TCLP M&I	TCLP VOCs	TCLP BaP	TCLP Ignitability
Sample ID/Location Name					Date	Time														
1	DUPS-1	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
2	DUPS-3	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
3	DUPS-5	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
4	DUPS-6	S		2	3-Feb-25	N/A	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5	DUPS-7	S		2	4-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
6	TCLP-WD	S		2	5-Feb-25	N/A	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☒	☒	☒
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Comments: Use COC sample ID if difference between COC and soil jar				Method of Delivery: Walk in	
Relinquished By (Sign):	Received by Driver/Depot: K. Jakobsen	Received at Lab:	Verified By: K. Jakobsen		
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb 7 10:15	Date/Time: Feb. 6/25 4:00		
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: °C	pH Verified [] By:		

Certificate of Analysis

WSP Canada Inc. (Windsor)

11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P110955CA001
Project: CA0046126.8978.2000

Custody:

Report Date: 5-Mar-2025

Order Date: 27-Feb-2025

Order #: 2509371

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2509371-01	S-SA1
2509371-02	S-SA2
2509371-03	S-SA3

Approved By:



Alex Enfield, MSc

Lab Manager

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	4-Mar-25	4-Mar-25
Chromium, hexavalent - soil	MOE E3056 - Extraction, colourimetric	3-Mar-25	3-Mar-25
Conductivity	MOE E3138 - probe @25 °C, water ext	4-Mar-25	4-Mar-25
Cyanide, free	MOE E3015 - Auto Colour, water extraction	28-Feb-25	28-Feb-25
Mercury by CVAA	EPA 7471B - CVAA, digestion	4-Mar-25	4-Mar-25
PHC F1	CWS Tier 1 - P&T GC-FID	28-Feb-25	3-Mar-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	28-Feb-25	4-Mar-25
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	4-Mar-25	4-Mar-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	28-Feb-25	4-Mar-25
REG 153: pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	3-Mar-25	3-Mar-25
REG 153: VOCs by P&T GC-MS	EPA 8260 - P&T GC-MS	28-Feb-25	3-Mar-25
SAR	Calculated	4-Mar-25	5-Mar-25
Solids, %	CWS Tier 1 - Gravimetric	28-Feb-25	3-Mar-25

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	S-SA1	S-SA2	S-SA3	-	-
Sample Date:	27-Feb-25 08:25	27-Feb-25 08:35	27-Feb-25 08:45	-	-
Sample ID:	2509371-01	2509371-02	2509371-03	-	-
Matrix:	Soil	Soil	Soil	-	-
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	65.4	79.7	80.7	-	-
----------	--------------	------	------	------	---	---

General Inorganics

SAR	0.01 N/A	0.24	0.43	0.21	-	-
Conductivity	5 uS/cm	298	157	194	-	-
Cyanide, free	0.03 ug/g	<0.03	<0.03	<0.03	-	-
pH	0.05 pH Units	8.33	8.02	7.90	-	-

Metals

Antimony	1.0 ug/g	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	8.5	5.7	6.0	-	-
Barium	1.0 ug/g	121	83.9	78.1	-	-
Beryllium	0.5 ug/g	0.7	0.7	0.6	-	-
Boron	5.0 ug/g	11.0	7.6	12.7	-	-
Boron, available	0.5 ug/g	2.8	0.8	0.8	-	-
Cadmium	0.5 ug/g	0.7	<0.5	<0.5	-	-
Chromium (VI)	0.2 ug/g	<0.2	<0.2	<0.2	-	-
Chromium	5.0 ug/g	21.9	21.1	23.9	-	-
Cobalt	1.0 ug/g	6.3	6.5	4.8	-	-
Copper	5.0 ug/g	40.3	18.8	22.4	-	-
Lead	1.0 ug/g	208	16.1	24.3	-	-
Mercury	0.1 ug/g	0.2	<0.1	<0.1	-	-
Molybdenum	1.0 ug/g	1.4	2.0	3.5	-	-
Nickel	5.0 ug/g	18.8	19.3	17.2	-	-
Selenium	1.0 ug/g	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	-	-

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	S-SA1	S-SA2	S-SA3	-	-
Sample Date:	27-Feb-25 08:25	27-Feb-25 08:35	27-Feb-25 08:45	-	-
Sample ID:	2509371-01	2509371-02	2509371-03	-	-
Matrix:	Soil	Soil	Soil	-	-
MDL/Units					

Metals

Uranium	1.0 ug/g	<1.0	1.0	<1.0	-	-
Vanadium	10.0 ug/g	25.9	30.4	25.7	-	-
Zinc	20.0 ug/g	226	73.2	71.9	-	-

Volatiles

Acetone	0.50 ug/g	<0.50	<0.50	<0.50	-	-
Benzene	0.02 ug/g	<0.02	<0.02	<0.02	-	-
Bromodichloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Bromoform	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Bromomethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Chlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Chloroform	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Dibromochloromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	<0.05	<0.05	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	S-SA1	S-SA2	S-SA3	-	-
Sample Date:	27-Feb-25 08:25	27-Feb-25 08:35	27-Feb-25 08:45	-	-
Sample ID:	2509371-01	2509371-02	2509371-03	-	-
Matrix:	Soil	Soil	Soil	-	-
MDL/Units					

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Ethylbenzene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Hexane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	<0.50	<0.50	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	<0.50	<0.50	-	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Methylene Chloride	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Styrene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Toluene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Trichloroethylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Vinyl chloride	0.02 ug/g	<0.02	<0.02	<0.02	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
o-Xylene	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
Xylenes, total	0.05 ug/g	<0.05	<0.05	<0.05	-	-	-
4-Bromofluorobenzene	Surrogate	105%	102%	103%	-	-	-
Dibromofluoromethane	Surrogate	96.4%	106%	103%	-	-	-
Toluene-d8	Surrogate	101%	100%	100%	-	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	S-SA1	S-SA2	S-SA3	-	-
Sample Date:	27-Feb-25 08:25	27-Feb-25 08:35	27-Feb-25 08:45	-	-
Sample ID:	2509371-01	2509371-02	2509371-03	-	-
Matrix:	Soil	Soil	Soil	-	-
MDL/Units					

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	<7	<7	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	<4	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	58	61	103	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	<6	<6	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	0.04	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	0.11	<0.02	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	0.33	<0.02	<0.02	-	-
Benzo [a] pyrene	0.02 ug/g	0.37	<0.02	0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.27	<0.02	0.02	-	-
Benzo [g,h,i] perylene	0.02 ug/g	0.21	<0.02	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	0.13	<0.02	<0.02	-	-
Chrysene	0.02 ug/g	0.30	<0.02	0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	0.04	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	0.84	0.03	0.04	-	-
Fluorene	0.02 ug/g	0.04	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	0.21	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	0.04	<0.02	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	0.05	<0.02	0.02	-	-
Methylnaphthalene (1&2)	0.03 ug/g	0.09	<0.03	0.04	-	-
Naphthalene	0.01 ug/g	0.03	<0.01	0.02	-	-
Phenanthrene	0.02 ug/g	0.54	<0.02	0.03	-	-
Pyrene	0.02 ug/g	0.57	<0.02	0.03	-	-
2-Fluorobiphenyl	Surrogate	73.6%	67.6%	77.9%	-	-

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	S-SA1	S-SA2	S-SA3	-	
Sample Date:	27-Feb-25 08:25	27-Feb-25 08:35	27-Feb-25 08:45	-	-
Sample ID:	2509371-01	2509371-02	2509371-03	-	
Matrix:	Soil	Soil	Soil	-	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	76.6%	79.9%	83.3%	-	-	-
---------------	-----------	-------	-------	-------	---	---	---

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
SAR	ND	0.01	N/A					
Conductivity	ND	5	uS/cm					
Cyanide, free	ND	0.03	ug/g					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
Metals								
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron, available	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium (VI)	ND	0.2	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Mercury	ND	0.1	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
Semi-Volatiles								
Acenaphthene	ND	0.02	ug/g					

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthylene	ND	0.02	ug/g					
Anthracene	ND	0.02	ug/g					
Benzo [a] anthracene	ND	0.02	ug/g					
Benzo [a] pyrene	ND	0.02	ug/g					
Benzo [b] fluoranthene	ND	0.02	ug/g					
Benzo [g,h,i] perylene	ND	0.02	ug/g					
Benzo [k] fluoranthene	ND	0.02	ug/g					
Chrysene	ND	0.02	ug/g					
Dibenzo [a,h] anthracene	ND	0.02	ug/g					
Fluoranthene	ND	0.02	ug/g					
Fluorene	ND	0.02	ug/g					
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g					
1-Methylnaphthalene	ND	0.02	ug/g					
2-Methylnaphthalene	ND	0.02	ug/g					
Methylnaphthalene (1&2)	ND	0.03	ug/g					
Naphthalene	ND	0.01	ug/g					
Phenanthrene	ND	0.02	ug/g					
Pyrene	ND	0.02	ug/g					
Surrogate: 2-Fluorobiphenyl	0.458		%	90.8	50-140			
Surrogate: Terphenyl-d14	0.485		%	96.1	50-140			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					
1,1-Dichloroethane	ND	0.05	ug/g					
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	8.17		%	102	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	8.64		%	108	50-140			
Surrogate: Toluene-d8	8.06		%	101	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
SAR	1.16	0.01	N/A	1.06			9.0	30	
Conductivity	156	5	uS/cm	157			1.1	5	
Cyanide, free	ND	0.03	ug/g	ND			NC	35	
pH	7.00	0.05	pH Units	6.94			0.9	10	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g	15			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	ND			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	2.5	1.0	ug/g	2.6			5.1	30	
Barium	15.0	1.0	ug/g	15.6			3.6	30	
Beryllium	ND	0.5	ug/g	ND			NC	30	
Boron, available	ND	0.5	ug/g	ND			NC	35	
Boron	ND	5.0	ug/g	ND			NC	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium (VI)	ND	0.2	ug/g	ND			NC	35	
Chromium	6.9	5.0	ug/g	7.0			2.3	30	
Cobalt	3.4	1.0	ug/g	3.2			4.0	30	
Copper	12.4	5.0	ug/g	12.0			3.0	30	
Lead	5.9	1.0	ug/g	6.4			8.6	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	5.9	5.0	ug/g	5.7			3.8	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	ND	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	18.1	10.0	ug/g	17.4			3.6	30	

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Zinc	22.2	20.0	ug/g	21.4			3.5	30	
Physical Characteristics									
% Solids	95.8	0.1	% by Wt.	95.6			0.2	25	
Semi-Volatiles									
Acenaphthene	0.056	0.02	ug/g	0.053			5.7	40	
Acenaphthylene	ND	0.02	ug/g	ND			NC	40	
Anthracene	0.141	0.02	ug/g	0.171			19.4	40	
Benzo [a] anthracene	0.166	0.02	ug/g	0.190			13.4	40	
Benzo [a] pyrene	0.149	0.02	ug/g	0.171			13.6	40	
Benzo [b] fluoranthene	0.127	0.02	ug/g	0.144			12.8	40	
Benzo [g,h,i] perylene	0.088	0.02	ug/g	0.099			11.4	40	
Benzo [k] fluoranthene	0.064	0.02	ug/g	0.071			10.8	40	
Chrysene	0.139	0.02	ug/g	0.160			13.4	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g	0.022			NC	40	
Fluoranthene	0.544	0.02	ug/g	0.617			12.6	40	
Fluorene	0.096	0.02	ug/g	0.096			0.2	40	
Indeno [1,2,3-cd] pyrene	0.083	0.02	ug/g	0.098			16.9	40	
1-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
Naphthalene	0.037	0.01	ug/g	0.034			8.5	40	
Phenanthrene	0.537	0.02	ug/g	0.561			4.2	40	
Pyrene	0.326	0.02	ug/g	0.371			12.8	40	
Surrogate: 2-Fluorobiphenyl	0.434		%		82.2	50-140			
Surrogate: Terphenyl-d14	0.459		%		86.8	50-140			
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	ND	0.05	ug/g	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: 4-Bromofluorobenzene	11.2		%		105	50-140			
Surrogate: Dibromofluoromethane	10.4		%		97.3	50-140			
Surrogate: Toluene-d8	10.8		%		102	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Cyanide, free	0.328	0.03	ug/g	ND	93.2	70-130			
Hydrocarbons									
F1 PHCs (C6-C10)	68	7	ug/g	ND	81.4	0-200			
F2 PHCs (C10-C16)	102	4	ug/g	ND	96.6	60-140			
F3 PHCs (C16-C34)	251	8	ug/g	15	104	60-140			
F4 PHCs (C34-C50)	196	6	ug/g	ND	125	60-140			
Metals									
Antimony	47.6	1.0	ug/g	ND	95.0	70-130			
Arsenic	50.4	1.0	ug/g	1.0	98.6	70-130			
Barium	56.1	1.0	ug/g	6.2	99.7	70-130			
Beryllium	51.6	0.5	ug/g	ND	103	70-130			
Boron, available	4.79	0.5	ug/g	ND	95.8	70-122			
Boron	51.6	5.0	ug/g	ND	101	70-130			
Cadmium	50.2	0.5	ug/g	ND	100	70-130			
Chromium (VI)	5.7	0.2	ug/g	ND	98.5	70-130			
Chromium	55.1	5.0	ug/g	ND	105	70-130			
Cobalt	52.9	1.0	ug/g	1.3	103	70-130			
Copper	54.0	5.0	ug/g	ND	98.5	70-130			
Lead	51.7	1.0	ug/g	2.6	98.3	70-130			
Mercury	1.57	0.1	ug/g	ND	105	70-130			
Molybdenum	51.6	1.0	ug/g	ND	103	70-130			
Nickel	53.6	5.0	ug/g	ND	103	70-130			
Selenium	48.6	1.0	ug/g	ND	97.0	70-130			
Silver	49.8	0.3	ug/g	ND	99.6	70-130			
Thallium	50.0	1.0	ug/g	ND	99.8	70-130			
Uranium	51.1	1.0	ug/g	ND	102	70-130			
Vanadium	61.0	10.0	ug/g	ND	108	70-130			
Zinc	57.4	20.0	ug/g	ND	97.6	70-130			
Semi-Volatiles									
Acenaphthene	0.568	0.02	ug/g	0.053	98.4	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Acenaphthylene	0.527	0.02	ug/g	ND	101	50-140			
Anthracene	0.644	0.02	ug/g	0.171	90.4	50-140			
Benzo [a] anthracene	0.741	0.02	ug/g	0.190	105	50-140			
Benzo [a] pyrene	0.726	0.02	ug/g	0.171	106	50-140			
Benzo [b] fluoranthene	0.724	0.02	ug/g	0.144	111	50-140			
Benzo [g,h,i] perylene	0.682	0.02	ug/g	0.099	111	50-140			
Benzo [k] fluoranthene	0.699	0.02	ug/g	0.071	120	50-140			
Chrysene	0.726	0.02	ug/g	0.160	108	50-140			
Dibenzo [a,h] anthracene	0.523	0.02	ug/g	0.022	95.9	50-140			
Fluoranthene	1.24	0.02	ug/g	0.617	118	50-140			
Fluorene	0.672	0.02	ug/g	0.096	110	50-140			
Indeno [1,2,3-cd] pyrene	0.668	0.02	ug/g	0.098	109	50-140			
1-Methylnaphthalene	0.531	0.02	ug/g	ND	101	50-140			
2-Methylnaphthalene	0.525	0.02	ug/g	ND	100	50-140			
Naphthalene	0.540	0.01	ug/g	0.034	96.7	50-140			
Phenanthrene	1.07	0.02	ug/g	0.561	97.5	50-140			
Pyrene	0.843	0.02	ug/g	0.371	90.2	50-140			
Surrogate: 2-Fluorobiphenyl	0.480		%		90.9	50-140			
Surrogate: Terphenyl-d14	0.479		%		90.7	50-140			
Volatiles									
Acetone	111	0.50	ug/g	ND	111	50-140			
Benzene	41.1	0.02	ug/g	ND	102	50-140			
Bromodichloromethane	40.3	0.05	ug/g	ND	100	50-140			
Bromoform	32.4	0.05	ug/g	ND	81.1	50-140			
Bromomethane	52.1	0.05	ug/g	ND	128	50-140			
Carbon Tetrachloride	40.0	0.05	ug/g	ND	99.2	50-140			
Chlorobenzene	37.7	0.05	ug/g	ND	94.6	50-140			
Chloroform	47.0	0.05	ug/g	ND	118	50-140			
Dibromochloromethane	37.0	0.05	ug/g	ND	92.8	50-140			
Dichlorodifluoromethane	55.8	0.05	ug/g	ND	138	50-140			
1,2-Dichlorobenzene	36.5	0.05	ug/g	ND	91.0	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,3-Dichlorobenzene	38.1	0.05	ug/g	ND	95.5	50-140			
1,4-Dichlorobenzene	36.8	0.05	ug/g	ND	91.4	50-140			
1,1-Dichloroethane	47.4	0.05	ug/g	ND	118	50-140			
1,2-Dichloroethane	44.8	0.05	ug/g	ND	112	50-140			
1,1-Dichloroethylene	40.5	0.05	ug/g	ND	101	50-140			
cis-1,2-Dichloroethylene	47.1	0.05	ug/g	ND	117	50-140			
trans-1,2-Dichloroethylene	45.6	0.05	ug/g	ND	113	50-140			
1,2-Dichloropropane	40.3	0.05	ug/g	ND	101	50-140			
cis-1,3-Dichloropropylene	38.2	0.05	ug/g	ND	95.3	50-140			
trans-1,3-Dichloropropylene	39.3	0.05	ug/g	ND	97.5	50-140			
Ethylbenzene	38.9	0.05	ug/g	ND	96.4	50-140			
Ethylene dibromide (dibromoethane, 1,2-)	35.0	0.05	ug/g	ND	86.8	50-140			
Hexane	36.0	0.05	ug/g	ND	90.1	50-140			
Methyl Ethyl Ketone (2-Butanone)	96.9	0.50	ug/g	ND	97.2	50-140			
Methyl Isobutyl Ketone	96.3	0.50	ug/g	ND	96.5	50-140			
Methyl tert-butyl ether	81.5	0.05	ug/g	ND	81.4	50-140			
Methylene Chloride	47.7	0.05	ug/g	ND	120	50-140			
Styrene	42.9	0.05	ug/g	ND	106	50-140			
1,1,1,2-Tetrachloroethane	33.2	0.05	ug/g	ND	82.3	50-140			
1,1,2,2-Tetrachloroethane	29.0	0.05	ug/g	ND	72.2	50-140			
Tetrachloroethylene	34.7	0.05	ug/g	ND	86.2	50-140			
Toluene	37.2	0.05	ug/g	ND	92.4	50-140			
1,1,1-Trichloroethane	41.3	0.05	ug/g	ND	103	50-140			
1,1,2-Trichloroethane	36.3	0.05	ug/g	ND	90.9	50-140			
Trichloroethylene	41.2	0.05	ug/g	ND	103	50-140			
Trichlorofluoromethane	42.0	0.05	ug/g	ND	104	50-140			
Vinyl chloride	44.5	0.02	ug/g	ND	110	50-140			
m,p-Xylenes	79.7	0.05	ug/g	ND	98.8	50-140			
o-Xylene	39.8	0.05	ug/g	ND	98.8	50-140			
Surrogate: 4-Bromofluorobenzene	8.14		%		93.8	50-140			
Surrogate: Dibromofluoromethane	11.0		%		127	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: **WSP Canada Inc. (Windsor)**

Order Date: 27-Feb-2025

Client PO: **P110955CA001**

Project Description: **CA0046126.8978.2000**

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	8.22		%		94.7	50-140			

Certificate of Analysis

Report Date: 05-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 27-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Qualifier Notes:**Sample Data Revisions:**

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unless otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.



Client Name: WSP Canada Inc.			Project Reference: CA0046126.8978.2000			TAT: ☒ Regular ☐ 3 Day														
Contact Name: Cindy McKee			Quote #: 24-628			☐ 2 Day ☐ 1 Day														
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1			PO #: P110955CA001			Date Required: _____														
Telephone: 519-735-2499			Email Address: cindy.mckee@wsp.com			derek.saliba@wsp.com														
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 9 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ ☐ Other: _____																				
Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)						Required Analyses														
Parcel Order Number:		Matrix	Air Volume	# of Containers	Sample Taken		PECS FL-F4-BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O. Reg. 153 M&I						
Sample ID/Location Name					Date	Time														
1	S-SA1	S		3	27-Feb-25	8:25	☒	☒	☒	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐
2	S-SA2	S		3	27-Feb-25	8:35	☒	☒	☒	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐
3	S-SA3	S		3	27-Feb-25	8:45	☒	☒	☒	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐
4							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Comments: Use COC sample ID if difference between COC and spit jar						Method of Delivery: Walk in														
Relinquished By (Sign):		Received by Driver/Depot:		Received at Lab:		Verified By:														
<i>[Signature]</i>		K. Jakobsen		AV		K. Jakobsen														
Relinquished By (Print): Derek Saliba		Date/Time: Feb. 27/25 9:00		Date/Time: 2/28/25 11:04		Date/Time: Feb. 27/25 12:30														
Date/Time: February 27, 2025		Temperature: 6.7 °C		Temperature: 4.8 °C		pH Verified By: _____														

Certificate of Analysis

WSP Canada Inc. (Windsor)

11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P110955CA001
Project: CA0046126.8978.2000

Custody: Revised Report

Report Date: 3-Mar-2025

Order Date: 14-Feb-2025

Order #: 2507405

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID	Paracel ID	Client ID
2507405-01	MW1 SA2b	2507405-17	BH23 SA1c
2507405-02	MW1 SA2c	2507405-18	BH27 SA2b
2507405-03	MW1 SA3	2507405-19	BH27 SA2c
2507405-04	MW2 SA3b	2507405-20	BH14 SA3
2507405-05	MW2 SA3c	2507405-21	MW2 SA4
2507405-06	MW2 SA4b	2507405-22	MW7 SA1b
2507405-07	MW2 SA4c	2507405-23	MW7 SA1c
2507405-08	MW8 SA1b	2507405-24	MW8 SA2
2507405-09	MW8 SA1c	2507405-25	MW9 SA4
2507405-10	MW9 SA3b	2507405-26	MW10 SA1b
2507405-11	MW9 SA3c	2507405-27	MW10 SA1c
2507405-12	BH14 SA2b	2507405-28	MW10 SA3b
2507405-13	BH14 SA2c	2507405-29	MW10 SA3c
2507405-14	BH17 SA2b	2507405-30	MW10 SA4
2507405-15	BH17 SA2c	2507405-31	MW11 SA2
2507405-16	BH23 SA1b	2507405-33	BH15 SA4

Approved By:



Mark Foto, M.Sc.

Laboratory Director

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Parcel ID	Client ID
2507405-34	BH19 SA2b
2507405-35	BH19 SA2c
2507405-36	BH20 SA2b
2507405-37	BH20 SA2c
2507405-38	BH21 SA2b
2507405-39	MW10 SA2

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Boron, available	MOE (HWE), EPA 200.8 - ICP-MS	19-Feb-25	19-Feb-25
BTEX by P&T GC-MS	EPA 8260 - P&T GC-MS	19-Feb-25	19-Feb-25
Conductivity	MOE E3138 - probe @25 °C, water ext	19-Feb-25	20-Feb-25
Mercury by CVAA	EPA 7471B - CVAA, digestion	19-Feb-25	19-Feb-25
pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	19-Feb-25	19-Feb-25
PHC F1	CWS Tier 1 - P&T GC-FID	19-Feb-25	19-Feb-25
PHCs F2 to F4	CWS Tier 1 - GC-FID, extraction	19-Feb-25	19-Feb-25
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	19-Feb-25	19-Feb-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	20-Feb-25	20-Feb-25
REG 153: VOCs by P&T GC/MS	EPA 8260 - P&T GC-MS	19-Feb-25	19-Feb-25
Solids, %	CWS Tier 1 - Gravimetric	18-Feb-25	19-Feb-25

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW1 SA2b	MW1 SA2c	MW1 SA3	MW2 SA3b		
Sample Date:	04-Feb-25 11:31	04-Feb-25 11:32	04-Feb-25 11:40	04-Feb-25 12:41	-	-
Sample ID:	2507405-01	2507405-02	2507405-03	2507405-04		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	85.4	87.5	86.8	85.5	-	-
----------	--------------	------	------	------	------	---	---

Metals

Boron, available	0.5 ug/g	0.5	<0.5	<0.5	-	-	-
------------------	----------	-----	------	------	---	---	---

Volatiles

Benzene	0.02 ug/g	-	-	-	<0.02 [2]	-	-
Ethylbenzene	0.05 ug/g	-	-	-	0.08 [2]	-	-
Toluene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
m,p-Xylenes	0.05 ug/g	-	-	-	0.14 [2]	-	-
o-Xylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Xylenes, total	0.05 ug/g	-	-	-	0.14 [2]	-	-
Toluene-d8	Surrogate	-	-	-	114% [2]	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA3c	MW2 SA4b	MW2 SA4c	MW8 SA1b	-	-
Sample Date:	04-Feb-25 12:42	04-Feb-25 12:51	04-Feb-25 12:52	05-Feb-25 09:31	-	-
Sample ID:	2507405-05	2507405-06	2507405-07	2507405-08	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	84.9	78.8	80.0	87.7	-	-
----------	--------------	------	------	------	------	---	---

Metals

Antimony	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	-	9.3	8.7	4.3	-	-
Barium	1.0 ug/g	-	97.9	89.3	112	-	-
Beryllium	0.5 ug/g	-	0.9	0.9	0.9	-	-
Boron	5.0 ug/g	-	14.5	16.4	11.9	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	<0.5	-	-
Chromium	5.0 ug/g	-	28.6	26.8	29.1	-	-
Cobalt	1.0 ug/g	-	9.2	9.1	4.7	-	-
Copper	5.0 ug/g	-	26.1	25.7	23.8	-	-
Lead	1.0 ug/g	-	10.4	10.5	37.2	-	-
Molybdenum	1.0 ug/g	-	5.6	4.8	3.1	-	-
Nickel	5.0 ug/g	-	26.6	25.9	15.6	-	-
Selenium	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	-	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Uranium	1.0 ug/g	-	1.3	1.3	1.0	-	-
Vanadium	10.0 ug/g	-	43.4	43.3	27.7	-	-
Zinc	20.0 ug/g	-	66.5	67.4	48.9	-	-

Volatiles

Benzene	0.02 ug/g	<0.02 [2]	-	-	-	-	-
Ethylbenzene	0.05 ug/g	<0.05 [2]	-	-	-	-	-
Toluene	0.05 ug/g	<0.05 [2]	-	-	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05 [2]	-	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA3c	MW2 SA4b	MW2 SA4c	MW8 SA1b	
Sample Date:	04-Feb-25 12:42	04-Feb-25 12:51	04-Feb-25 12:52	05-Feb-25 09:31	-
Sample ID:	2507405-05	2507405-06	2507405-07	2507405-08	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Volatiles

o-Xylene	0.05 ug/g	<0.05 [2]	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05 [2]	-	-	-	-
Toluene-d8	Surrogate	115% [2]	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW8 SA1c	MW9 SA3b	MW9 SA3c	BH14 SA2b	-	-
Sample Date:	05-Feb-25 09:32	05-Feb-25 10:56	05-Feb-25 10:57	04-Feb-25 14:16	-	-
Sample ID:	2507405-09	2507405-10	2507405-11	2507405-12	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	87.8	73.0	72.4	83.4	-	-
----------	--------------	------	------	------	------	---	---

General Inorganics

Conductivity	5 uS/cm	-	1650	1560	-	-	-
pH	0.05 pH Units	-	11.56	11.55	-	-	-

Metals

Antimony	1.0 ug/g	<1.0	-	-	-	-	-
Arsenic	1.0 ug/g	3.9	-	-	-	-	-
Barium	1.0 ug/g	112	-	-	-	-	-
Beryllium	0.5 ug/g	0.8	-	-	-	-	-
Boron	5.0 ug/g	10.1	-	-	-	-	-
Boron, available	0.5 ug/g	-	-	-	0.8	-	-
Cadmium	0.5 ug/g	<0.5	-	-	-	-	-
Chromium	5.0 ug/g	27.5	-	-	-	-	-
Cobalt	1.0 ug/g	3.5	-	-	-	-	-
Copper	5.0 ug/g	20.6	-	-	-	-	-
Lead	1.0 ug/g	40.9	-	-	-	-	-
Molybdenum	1.0 ug/g	3.4	-	-	-	-	-
Nickel	5.0 ug/g	18.8	-	-	-	-	-
Selenium	1.0 ug/g	<1.0	-	-	-	-	-
Silver	0.3 ug/g	<0.3	-	-	-	-	-
Thallium	1.0 ug/g	<1.0	-	-	-	-	-
Uranium	1.0 ug/g	<1.0	-	-	-	-	-
Vanadium	10.0 ug/g	20.3	-	-	-	-	-
Zinc	20.0 ug/g	35.9	-	-	-	-	-

Semi-Volatiles

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW8 SA1c	MW9 SA3b	MW9 SA3c	BH14 SA2b	-	-
Sample Date:	05-Feb-25 09:32	05-Feb-25 10:56	05-Feb-25 10:57	04-Feb-25 14:16	-	-
Sample ID:	2507405-09	2507405-10	2507405-11	2507405-12	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Semi-Volatiles

Acenaphthene	0.02 ug/g	-	-	-	<0.02	-	-
Acenaphthylene	0.02 ug/g	-	-	-	<0.02	-	-
Anthracene	0.02 ug/g	-	-	-	<0.02	-	-
Benzo [a] anthracene	0.02 ug/g	-	-	-	0.03	-	-
Benzo [a] pyrene	0.02 ug/g	-	-	-	0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	-	-	-	0.03	-	-
Benzo [g,h,i] perylene	0.02 ug/g	-	-	-	<0.02	-	-
Benzo [k] fluoranthene	0.02 ug/g	-	-	-	<0.02	-	-
Chrysene	0.02 ug/g	-	-	-	0.03	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	-	-	-	<0.02	-	-
Fluoranthene	0.02 ug/g	-	-	-	0.05	-	-
Fluorene	0.02 ug/g	-	-	-	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	-	-	-	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	-	-	-	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	-	-	-	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	-	-	-	<0.04	-	-
Naphthalene	0.01 ug/g	-	-	-	<0.01	-	-
Phenanthrene	0.02 ug/g	-	-	-	0.02	-	-
Pyrene	0.02 ug/g	-	-	-	0.04	-	-
2-Fluorobiphenyl	Surrogate	-	-	-	68.1%	-	-
Terphenyl-d14	Surrogate	-	-	-	71.2%	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH14 SA2c	BH17 SA2b	BH17 SA2c	BH23 SA1b	-	-
Sample Date:	04-Feb-25 14:17	04-Feb-25 16:31	04-Feb-25 16:32	03-Feb-25 14:16	-	-
Sample ID:	2507405-13	2507405-14	2507405-15	2507405-16	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	81.6	84.6	86.1	87.1	-	-
----------	--------------	------	------	------	------	---	---

Metals

Antimony	1.0 ug/g	-	1.0	1.4	<1.0	-	-
Arsenic	1.0 ug/g	-	4.6	4.7	5.5	-	-
Barium	1.0 ug/g	-	67.8	91.7	107	-	-
Beryllium	0.5 ug/g	-	0.6	0.7	0.8	-	-
Boron	5.0 ug/g	-	8.1	12.6	10.4	-	-
Boron, available	0.5 ug/g	0.7	-	-	-	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	0.7	-	-
Chromium	5.0 ug/g	-	34.2	39.7	32.2	-	-
Cobalt	1.0 ug/g	-	3.0	3.5	8.3	-	-
Copper	5.0 ug/g	-	38.3	32.7	41.8	-	-
Lead	1.0 ug/g	-	112	106	16.8	-	-
Molybdenum	1.0 ug/g	-	4.7	4.9	2.4	-	-
Nickel	5.0 ug/g	-	19.8	20.1	26.3	-	-
Selenium	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Silver	0.3 ug/g	-	<0.3	<0.3	<0.3	-	-
Thallium	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Uranium	1.0 ug/g	-	<1.0	<1.0	1.3	-	-
Vanadium	10.0 ug/g	-	16.3	22.7	45.3	-	-
Zinc	20.0 ug/g	-	73.7	103	89.1	-	-

Volatiles

Acetone	0.50 ug/g	-	-	-	<0.50 [2]	-	-
Benzene	0.02 ug/g	-	-	-	<0.02 [2]	-	-
Bromodichloromethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH14 SA2c	BH17 SA2b	BH17 SA2c	BH23 SA1b	-	-
Sample Date:	04-Feb-25 14:17	04-Feb-25 16:31	04-Feb-25 16:32	03-Feb-25 14:16	-	-
Sample ID:	2507405-13	2507405-14	2507405-15	2507405-16	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

Bromoform	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Bromomethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Carbon Tetrachloride	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Chlorobenzene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Chloroform	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Dibromochloromethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Dichlorodifluoromethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,2-Dichlorobenzene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,3-Dichlorobenzene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,4-Dichlorobenzene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,1-Dichloroethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,2-Dichloroethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,1-Dichloroethylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,2-Dichloropropane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,3-Dichloropropene, total	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Ethylbenzene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Hexane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	-	-	-	<0.50 [2]	-	-
Methyl Isobutyl Ketone	0.50 ug/g	-	-	-	<0.50 [2]	-	-
Methyl tert-butyl ether	0.05 ug/g	-	-	-	<0.05 [2]	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH14 SA2c	BH17 SA2b	BH17 SA2c	BH23 SA1b	-	-
Sample Date:	04-Feb-25 14:17	04-Feb-25 16:31	04-Feb-25 16:32	03-Feb-25 14:16	-	-
Sample ID:	2507405-13	2507405-14	2507405-15	2507405-16	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

Methylene Chloride	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Styrene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Tetrachloroethylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Toluene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,1,1-Trichloroethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
1,1,2-Trichloroethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Trichloroethylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Trichlorofluoromethane	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Vinyl chloride	0.02 ug/g	-	-	-	<0.02 [2]	-	-
m,p-Xylenes	0.05 ug/g	-	-	-	0.11 [2]	-	-
o-Xylene	0.05 ug/g	-	-	-	<0.05 [2]	-	-
Xylenes, total	0.05 ug/g	-	-	-	0.11 [2]	-	-
4-Bromofluorobenzene	Surrogate	-	-	-	101% [2]	-	-
Toluene-d8	Surrogate	-	-	-	104% [2]	-	-
Dibromofluoromethane	Surrogate	-	-	-	110% [2]	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	-	-	-	<7 [2]	-	-
F2 PHCs (C10-C16)	4 ug/g	-	-	-	<4 [2]	-	-
F3 PHCs (C16-C34)	8 ug/g	-	-	-	36 [2]	-	-
F4 PHCs (C34-C50)	6 ug/g	-	-	-	10 [2]	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	-	-	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH14 SA2c	BH17 SA2b	BH17 SA2c	BH23 SA1b	-	-
Sample Date:	04-Feb-25 14:17	04-Feb-25 16:31	04-Feb-25 16:32	03-Feb-25 14:16	-	-
Sample ID:	2507405-13	2507405-14	2507405-15	2507405-16	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Semi-Volatiles

Anthracene	0.02 ug/g	<0.02	-	-	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	-	-	-	-
Benzo [a] pyrene	0.02 ug/g	0.35	-	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Chrysene	0.02 ug/g	<0.02	-	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	-	-	-
Fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Fluorene	0.02 ug/g	<0.02	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	-	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	-	-	-	-
Naphthalene	0.01 ug/g	<0.01	-	-	-	-
Phenanthrene	0.02 ug/g	<0.02	-	-	-	-
Pyrene	0.02 ug/g	<0.02	-	-	-	-
2-Fluorobiphenyl	Surrogate	86.2%	-	-	-	-
Terphenyl-d14	Surrogate	90.9%	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1c	BH27 SA2b	BH27 SA2c	BH14 SA3	-	-
Sample Date:	03-Feb-25 14:17	05-Feb-25 13:21	05-Feb-25 13:22	04-Feb-25 14:25	-	-
Sample ID:	2507405-17	2507405-18	2507405-19	2507405-20	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	87.3	83.6	83.0	79.9	-	-
----------	--------------	------	------	------	------	---	---

Metals

Antimony	1.0 ug/g	1.3	<1.0	<1.0	-	-	-
Arsenic	1.0 ug/g	16.4	11.0	9.1	-	-	-
Barium	1.0 ug/g	341	85.4	97.8	-	-	-
Beryllium	0.5 ug/g	0.7	0.8	0.8	-	-	-
Boron	5.0 ug/g	12.4	10.6	10.5	-	-	-
Boron, available	0.5 ug/g	-	-	-	<0.5	-	-
Cadmium	0.5 ug/g	0.7	<0.5	<0.5	-	-	-
Chromium	5.0 ug/g	47.2	38.4	35.4	-	-	-
Cobalt	1.0 ug/g	6.3	9.8	7.4	-	-	-
Copper	5.0 ug/g	58.1	46.6	39.6	-	-	-
Lead	1.0 ug/g	25.3	27.6	38.7	-	-	-
Molybdenum	1.0 ug/g	11.4	4.8	4.6	-	-	-
Nickel	5.0 ug/g	31.3	36.0	32.3	-	-	-
Selenium	1.0 ug/g	1.7	<1.0	<1.0	-	-	-
Silver	0.3 ug/g	<0.3	<0.3	<0.3	-	-	-
Thallium	1.0 ug/g	<1.0	<1.0	<1.0	-	-	-
Uranium	1.0 ug/g	1.4	<1.0	1.3	-	-	-
Vanadium	10.0 ug/g	30.8	39.0	34.4	-	-	-
Zinc	20.0 ug/g	95.8	62.4	87.5	-	-	-

Volatiles

Acetone	0.50 ug/g	<0.50 [2]	-	-	-	-	-
Benzene	0.02 ug/g	<0.02 [2]	-	-	-	-	-
Bromodichloromethane	0.05 ug/g	<0.05 [2]	-	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1c	BH27 SA2b	BH27 SA2c	BH14 SA3	-	-
Sample Date:	03-Feb-25 14:17	05-Feb-25 13:21	05-Feb-25 13:22	04-Feb-25 14:25	-	-
Sample ID:	2507405-17	2507405-18	2507405-19	2507405-20	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

Bromoform	0.05 ug/g	<0.05 [2]	-	-	-	-
Bromomethane	0.05 ug/g	<0.05 [2]	-	-	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05 [2]	-	-	-	-
Chlorobenzene	0.05 ug/g	<0.05 [2]	-	-	-	-
Chloroform	0.05 ug/g	<0.05 [2]	-	-	-	-
Dibromochloromethane	0.05 ug/g	<0.05 [2]	-	-	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05 [2]	-	-	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05 [2]	-	-	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05 [2]	-	-	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05 [2]	-	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05 [2]	-	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05 [2]	-	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05 [2]	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,3-Dichloropropene, total	0.05 ug/g	<0.05 [2]	-	-	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05 [2]	-	-	-	-
Ethylbenzene	0.05 ug/g	<0.05 [2]	-	-	-	-
Hexane	0.05 ug/g	<0.05 [2]	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50 [2]	-	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50 [2]	-	-	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05 [2]	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1c	BH27 SA2b	BH27 SA2c	BH14 SA3	-	-
Sample Date:	03-Feb-25 14:17	05-Feb-25 13:21	05-Feb-25 13:22	04-Feb-25 14:25	-	-
Sample ID:	2507405-17	2507405-18	2507405-19	2507405-20	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

Methylene Chloride	0.05 ug/g	<0.05 [2]	-	-	-	-
Styrene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05 [2]	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05 [2]	-	-	-	-
Tetrachloroethylene	0.05 ug/g	<0.05 [2]	-	-	-	-
Toluene	0.05 ug/g	<0.05 [2]	-	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05 [2]	-	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05 [2]	-	-	-	-
Trichloroethylene	0.05 ug/g	<0.05 [2]	-	-	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05 [2]	-	-	-	-
Vinyl chloride	0.02 ug/g	<0.02 [2]	-	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05 [2]	-	-	-	-
o-Xylene	0.05 ug/g	<0.05 [2]	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05 [2]	-	-	-	-
Toluene-d8	Surrogate	106% [2]	-	-	-	-
4-Bromofluorobenzene	Surrogate	103% [2]	-	-	-	-
Dibromofluoromethane	Surrogate	110% [2]	-	-	-	-
Benzene	0.02 ug/g	-	<0.02	<0.02	-	-
Ethylbenzene	0.05 ug/g	-	<0.05	<0.05	-	-
Toluene	0.05 ug/g	-	<0.05	<0.05	-	-
m,p-Xylenes	0.05 ug/g	-	<0.05	<0.05	-	-
o-Xylene	0.05 ug/g	-	<0.05	<0.05	-	-
Xylenes, total	0.05 ug/g	-	<0.05	<0.05	-	-
Toluene-d8	Surrogate	-	113%	110%	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1c	BH27 SA2b	BH27 SA2c	BH14 SA3	-	-
Sample Date:	03-Feb-25 14:17	05-Feb-25 13:21	05-Feb-25 13:22	04-Feb-25 14:25	-	-
Sample ID:	2507405-17	2507405-18	2507405-19	2507405-20	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7 [2]	-	-	-	-
F2 PHCs (C10-C16)	4 ug/g	<4 [2]	<4 [1]	<4 [1]	-	-
F3 PHCs (C16-C34)	8 ug/g	117 [2]	<8 [1]	44 [1]	-	-
F4 PHCs (C34-C50)	6 ug/g	20 [2]	<6 [1]	26 [1]	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	-	-	-	<0.02	-
Acenaphthylene	0.02 ug/g	-	-	-	<0.02	-
Anthracene	0.02 ug/g	-	-	-	<0.02	-
Benzo [a] anthracene	0.02 ug/g	-	-	-	<0.02	-
Benzo [a] pyrene	0.02 ug/g	-	-	-	<0.02	-
Benzo [b] fluoranthene	0.02 ug/g	-	-	-	<0.02	-
Benzo [g,h,i] perylene	0.02 ug/g	-	-	-	<0.02	-
Benzo [k] fluoranthene	0.02 ug/g	-	-	-	<0.02	-
Chrysene	0.02 ug/g	-	-	-	<0.02	-
Dibenzo [a,h] anthracene	0.02 ug/g	-	-	-	<0.02	-
Fluoranthene	0.02 ug/g	-	-	-	<0.02	-
Fluorene	0.02 ug/g	-	-	-	<0.02	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	-	-	-	<0.02	-
1-Methylnaphthalene	0.02 ug/g	-	-	-	<0.02	-
2-Methylnaphthalene	0.02 ug/g	-	-	-	<0.02	-
Methylnaphthalene (1&2)	0.04 ug/g	-	-	-	<0.04	-
Naphthalene	0.01 ug/g	-	-	-	<0.01	-
Phenanthrene	0.02 ug/g	-	-	-	<0.02	-
Pyrene	0.02 ug/g	-	-	-	<0.02	-
2-Fluorobiphenyl	Surrogate	-	-	-	90.0%	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH23 SA1c	BH27 SA2b	BH27 SA2c	BH14 SA3	
Sample Date:	03-Feb-25 14:17	05-Feb-25 13:21	05-Feb-25 13:22	04-Feb-25 14:25	-
Sample ID:	2507405-17	2507405-18	2507405-19	2507405-20	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Semi-Volatiles

Terphenyl-d14	Surrogate	-	-	-	96.4%	-	-
---------------	-----------	---	---	---	-------	---	---

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW7 SA1b	MW7 SA1c	MW8 SA2	-	-
Sample Date:	03-Feb-25 12:50	03-Feb-25 16:16	03-Feb-25 16:17	05-Feb-25 09:35	-	-
Sample ID:	2507405-21	2507405-22	2507405-23	2507405-24	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	77.5	86.1	86.2	81.4	-	-
----------	--------------	------	------	------	------	---	---

Metals

Antimony	1.0 ug/g	-	<1.0	<1.0	-	-	-
Arsenic	1.0 ug/g	-	5.7	5.6	-	-	-
Barium	1.0 ug/g	-	111	120	-	-	-
Beryllium	0.5 ug/g	-	0.9	0.9	-	-	-
Boron	5.0 ug/g	-	17.8	17.8	-	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	-	-	-
Chromium	5.0 ug/g	-	29.0	31.2	-	-	-
Cobalt	1.0 ug/g	-	8.9	6.6	-	-	-
Copper	5.0 ug/g	-	10.4	9.9	-	-	-
Lead	1.0 ug/g	-	17.0	16.3	-	-	-
Molybdenum	1.0 ug/g	-	1.7	1.7	-	-	-
Nickel	5.0 ug/g	-	13.9	14.0	-	-	-
Selenium	1.0 ug/g	-	<1.0	<1.0	-	-	-
Silver	0.3 ug/g	-	<0.3	<0.3	-	-	-
Thallium	1.0 ug/g	-	<1.0	<1.0	-	-	-
Uranium	1.0 ug/g	-	1.5	1.5	-	-	-
Vanadium	10.0 ug/g	-	45.2	46.8	-	-	-
Zinc	20.0 ug/g	-	64.4	69.9	-	-	-

Volatiles

Benzene	0.02 ug/g	-	-	-	<0.02	-	-
Ethylbenzene	0.05 ug/g	-	-	-	<0.05	-	-
Toluene	0.05 ug/g	-	-	-	<0.05	-	-
m,p-Xylenes	0.05 ug/g	-	-	-	<0.05	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW2 SA4	MW7 SA1b	MW7 SA1c	MW8 SA2	-	-
Sample Date:	03-Feb-25 12:50	03-Feb-25 16:16	03-Feb-25 16:17	05-Feb-25 09:35	-	-
Sample ID:	2507405-21	2507405-22	2507405-23	2507405-24	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

o-Xylene	0.05 ug/g	-	-	-	<0.05	-	-
Xylenes, total	0.05 ug/g	-	-	-	<0.05	-	-
Toluene-d8	Surrogate	-	-	-	113%	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	-	-	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	-	-	-	-
Anthracene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [a] pyrene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	-	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	-	-	-	-
Chrysene	0.02 ug/g	<0.02	-	-	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	-	-	-	-
Fluoranthene	0.02 ug/g	<0.02	-	-	-	-	-
Fluorene	0.02 ug/g	<0.02	-	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	-	-	-	-
1-Methylnaphthalene	0.02 ug/g	0.31	-	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	0.42	-	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.74	-	-	-	-	-
Naphthalene	0.01 ug/g	0.20	-	-	-	-	-
Phenanthrene	0.02 ug/g	<0.02	-	-	-	-	-
Pyrene	0.02 ug/g	<0.02	-	-	-	-	-
2-Fluorobiphenyl	Surrogate	66.8%	-	-	-	-	-
Terphenyl-d14	Surrogate	71.3%	-	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA4	MW10 SA1b	MW10 SA1c	MW10 SA3b	-	-
Sample Date:	05-Feb-25 11:00	03-Feb-25 14:51	03-Feb-25 14:52	03-Feb-25 15:01	-	-
Sample ID:	2507405-25	2507405-26	2507405-27	2507405-28	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	87.9	82.1	82.8	84.2	-	-
----------	--------------	------	------	------	------	---	---

Metals

Mercury	0.1 ug/g	-	<0.1	<0.1	-	-	-
---------	----------	---	------	------	---	---	---

Volatiles

Acetone	0.50 ug/g	<0.50	-	-	-	-	-
Benzene	0.02 ug/g	<0.02	-	-	-	-	-
Bromodichloromethane	0.05 ug/g	<0.05	-	-	-	-	-
Bromoform	0.05 ug/g	<0.05	-	-	-	-	-
Bromomethane	0.05 ug/g	<0.05	-	-	-	-	-
Carbon Tetrachloride	0.05 ug/g	<0.05	-	-	-	-	-
Chlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
Chloroform	0.05 ug/g	<0.05	-	-	-	-	-
Dibromochloromethane	0.05 ug/g	<0.05	-	-	-	-	-
Dichlorodifluoromethane	0.05 ug/g	<0.05	-	-	-	-	-
1,2-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
1,3-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
1,4-Dichlorobenzene	0.05 ug/g	<0.05	-	-	-	-	-
1,1-Dichloroethane	0.05 ug/g	<0.05	-	-	-	-	-
1,2-Dichloroethane	0.05 ug/g	<0.05	-	-	-	-	-
1,1-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	<0.05	-	-	-	-	-
1,2-Dichloropropane	0.05 ug/g	<0.05	-	-	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	<0.05	-	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA4	MW10 SA1b	MW10 SA1c	MW10 SA3b	-	-
Sample Date:	05-Feb-25 11:00	03-Feb-25 14:51	03-Feb-25 14:52	03-Feb-25 15:01	-	-
Sample ID:	2507405-25	2507405-26	2507405-27	2507405-28	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Volatiles

1,3-Dichloropropene, total	0.05 ug/g	<0.05	-	-	-	-
Ethylbenzene	0.05 ug/g	<0.05	-	-	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	<0.05	-	-	-	-
Hexane	0.05 ug/g	<0.05	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	<0.50	-	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	<0.50	-	-	-	-
Methyl tert-butyl ether	0.05 ug/g	<0.05	-	-	-	-
Methylene Chloride	0.05 ug/g	<0.05	-	-	-	-
Styrene	0.05 ug/g	<0.05	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	<0.05	-	-	-	-
Tetrachloroethylene	0.05 ug/g	<0.05	-	-	-	-
Toluene	0.05 ug/g	<0.05	-	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	<0.05	-	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	<0.05	-	-	-	-
Trichloroethylene	0.05 ug/g	<0.05	-	-	-	-
Trichlorofluoromethane	0.05 ug/g	<0.05	-	-	-	-
Vinyl chloride	0.02 ug/g	<0.02	-	-	-	-
m,p-Xylenes	0.05 ug/g	<0.05	-	-	-	-
o-Xylene	0.05 ug/g	<0.05	-	-	-	-
Xylenes, total	0.05 ug/g	<0.05	-	-	-	-
4-Bromofluorobenzene	Surrogate	111%	-	-	-	-
Toluene-d8	Surrogate	105%	-	-	-	-
Dibromofluoromethane	Surrogate	107%	-	-	-	-

Hydrocarbons

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW9 SA4	MW10 SA1b	MW10 SA1c	MW10 SA3b	
Sample Date:	05-Feb-25 11:00	03-Feb-25 14:51	03-Feb-25 14:52	03-Feb-25 15:01	-
Sample ID:	2507405-25	2507405-26	2507405-27	2507405-28	-
Matrix:	Soil	Soil	Soil	Soil	
MDL/Units					

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7	12 [2]	15 [2]	<7 [2]	-	-
F2 PHCs (C10-C16)	4 ug/g	<4	8 [2]	7 [2]	5 [2]	-	-
F3 PHCs (C16-C34)	8 ug/g	<8	201 [2]	175 [2]	<8 [2]	-	-
F4 PHCs (C34-C50)	6 ug/g	<6	28 [2]	27 [2]	<6 [2]	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	MW10 SA3c	MW10 SA4	MW11 SA2	BH15 SA4		
Sample Date:	03-Feb-25 15:02	03-Feb-25 15:05	03-Feb-25 09:45	04-Feb-25 13:40	-	-
Sample ID:	2507405-29	2507405-30	2507405-31	2507405-33		
Matrix:	Soil	Soil	Soil	Soil		
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	83.7	87.8	85.1	88.0	-	-
----------	--------------	------	------	------	------	---	---

Volatiles

Benzene	0.02 ug/g	-	-	<0.02 [2]	<0.02 [2]	-	-
Ethylbenzene	0.05 ug/g	-	-	<0.05 [2]	<0.05 [2]	-	-
Toluene	0.05 ug/g	-	-	<0.05 [2]	<0.05 [2]	-	-
m,p-Xylenes	0.05 ug/g	-	-	<0.05 [2]	<0.05 [2]	-	-
o-Xylene	0.05 ug/g	-	-	<0.05 [2]	<0.05 [2]	-	-
Xylenes, total	0.05 ug/g	-	-	<0.05 [2]	<0.05 [2]	-	-
Toluene-d8	Surrogate	-	-	110% [2]	108% [2]	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7 [2]	<7 [2]	-	12 [2]	-	-
F2 PHCs (C10-C16)	4 ug/g	<4 [2]	10 [2]	-	<4	-	-
F3 PHCs (C16-C34)	8 ug/g	<8 [2]	33 [2]	-	<8	-	-
F4 PHCs (C34-C50)	6 ug/g	<6 [2]	10 [2]	-	<6	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH19 SA2b	BH19 SA2c	BH20 SA2b	BH20 SA2c	-	-
Sample Date:	05-Feb-25 12:31	05-Feb-25 12:32	05-Feb-25 12:56	05-Feb-25 12:57	-	-
Sample ID:	2507405-34	2507405-35	2507405-36	2507405-37	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Physical Characteristics

% Solids	0.1 % by Wt.	87.9	88.3	84.3	84.3	-	-
----------	--------------	------	------	------	------	---	---

Metals

Antimony	1.0 ug/g	-	-	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	-	-	8.2	8.2	-	-
Barium	1.0 ug/g	-	-	203	217	-	-
Beryllium	0.5 ug/g	-	-	1.3	1.4	-	-
Boron	5.0 ug/g	-	-	13.2	10.0	-	-
Cadmium	0.5 ug/g	-	-	<0.5	<0.5	-	-
Chromium	5.0 ug/g	-	-	45.8	52.9	-	-
Cobalt	1.0 ug/g	-	-	7.6	6.5	-	-
Copper	5.0 ug/g	-	-	29.3	30.2	-	-
Lead	1.0 ug/g	-	-	34.6	37.5	-	-
Molybdenum	1.0 ug/g	-	-	4.5	5.1	-	-
Nickel	5.0 ug/g	-	-	43.0	61.1	-	-
Selenium	1.0 ug/g	-	-	<1.0	<1.0	-	-
Silver	0.3 ug/g	-	-	<0.3	<0.3	-	-
Thallium	1.0 ug/g	-	-	<1.0	<1.0	-	-
Uranium	1.0 ug/g	-	-	1.4	1.2	-	-
Vanadium	10.0 ug/g	-	-	44.2	34.3	-	-
Zinc	20.0 ug/g	-	-	67.0	50.3	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Acenaphthylene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Anthracene	0.02 ug/g	<0.02	<0.02	<0.02	0.02	-	-
Benzo [a] anthracene	0.02 ug/g	<0.02	0.02	0.03	0.07	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH19 SA2b	BH19 SA2c	BH20 SA2b	BH20 SA2c	-	-
Sample Date:	05-Feb-25 12:31	05-Feb-25 12:32	05-Feb-25 12:56	05-Feb-25 12:57	-	-
Sample ID:	2507405-34	2507405-35	2507405-36	2507405-37	-	-
Matrix:	Soil	Soil	Soil	Soil	-	-
MDL/Units						

Semi-Volatiles

Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	0.02	0.05	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	0.04	0.08	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	<0.02	<0.02	0.03	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	0.02	-	-
Chrysene	0.02 ug/g	<0.02	0.03	0.03	0.07	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	0.03	0.04	<0.02	0.26	-	-
Fluorene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	0.03	-	-
1-Methylnaphthalene	0.02 ug/g	0.06	0.06	0.03	0.03	-	-
2-Methylnaphthalene	0.02 ug/g	0.09	0.09	0.04	0.04	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.16	0.16	0.07	0.07	-	-
Naphthalene	0.01 ug/g	0.07	0.07	0.03	0.03	-	-
Phenanthrene	0.02 ug/g	0.08	0.08	0.05	0.11	-	-
Pyrene	0.02 ug/g	0.03	0.03	0.05	0.11	-	-
2-Fluorobiphenyl	Surrogate	64.3%	72.8%	66.1%	73.7%	-	-
Terphenyl-d14	Surrogate	70.9%	76.2%	67.5%	74.6%	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2b	MW10 SA2			
Sample Date:	03-Feb-25 13:06	03-Feb-25 14:55			
Sample ID:	2507405-38	2507405-39			
Matrix:	Soil	Soil			
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	87.3	84.0	-	-	-	-
----------	--------------	------	------	---	---	---	---

Volatiles

Acetone	0.50 ug/g	-	<0.50 [2]	-	-	-	-
Benzene	0.02 ug/g	-	<0.02 [2]	-	-	-	-
Bromodichloromethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Bromoform	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Bromomethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Carbon Tetrachloride	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Chlorobenzene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Chloroform	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Dibromochloromethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Dichlorodifluoromethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,2-Dichlorobenzene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,3-Dichlorobenzene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,4-Dichlorobenzene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,1-Dichloroethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,2-Dichloroethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,1-Dichloroethylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
cis-1,2-Dichloroethylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
trans-1,2-Dichloroethylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,2-Dichloropropane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
cis-1,3-Dichloropropylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
trans-1,3-Dichloropropylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,3-Dichloropropene, total	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Ethylene dibromide (dibromoethane,	0.05 ug/g	-	<0.05 [2]	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2b	MW10 SA2			
Sample Date:	03-Feb-25 13:06	03-Feb-25 14:55			
Sample ID:	2507405-38	2507405-39			
Matrix:	Soil	Soil			
MDL/Units					

Volatiles

Ethylbenzene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Hexane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Methyl Ethyl Ketone (2-Butanone)	0.50 ug/g	-	<0.50 [2]	-	-	-	-
Methyl Isobutyl Ketone	0.50 ug/g	-	<0.50 [2]	-	-	-	-
Methyl tert-butyl ether	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Methylene Chloride	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Styrene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,1,1,2-Tetrachloroethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,1,2,2-Tetrachloroethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Tetrachloroethylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Toluene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,1,1-Trichloroethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
1,1,2-Trichloroethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Trichloroethylene	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Trichlorofluoromethane	0.05 ug/g	-	<0.05 [2]	-	-	-	-
Vinyl chloride	0.02 ug/g	-	<0.02 [2]	-	-	-	-
m,p-Xylenes	0.05 ug/g	-	0.10 [2]	-	-	-	-
o-Xylene	0.05 ug/g	-	0.07 [2]	-	-	-	-
Xylenes, total	0.05 ug/g	-	0.18 [2]	-	-	-	-
Toluene-d8	Surrogate	-	111% [2]	-	-	-	-
4-Bromofluorobenzene	Surrogate	-	110% [2]	-	-	-	-
Dibromofluoromethane	Surrogate	-	114% [2]	-	-	-	-

Hydrocarbons

F1 PHCs (C6-C10)	7 ug/g	<7 [2]	-	-	-	-	-
F2 PHCs (C10-C16)	4 ug/g	<4 [2]	-	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	BH21 SA2b	MW10 SA2			
Sample Date:	03-Feb-25 13:06	03-Feb-25 14:55			
Sample ID:	2507405-38	2507405-39			
Matrix:	Soil	Soil			
MDL/Units					

Hydrocarbons

F3 PHCs (C16-C34)	8 ug/g	91 [2]	-	-	-	-
F4 PHCs (C34-C50)	6 ug/g	18 [2]	-	-	-	-

Semi-Volatiles

Acenaphthene	0.02 ug/g	<0.02	-	-	-	-
Acenaphthylene	0.02 ug/g	<0.02	-	-	-	-
Anthracene	0.02 ug/g	0.02	-	-	-	-
Benzo [a] anthracene	0.02 ug/g	0.04	-	-	-	-
Benzo [a] pyrene	0.02 ug/g	0.03	-	-	-	-
Benzo [b] fluoranthene	0.02 ug/g	0.05	-	-	-	-
Benzo [g,h,i] perylene	0.02 ug/g	<0.02	-	-	-	-
Benzo [k] fluoranthene	0.02 ug/g	<0.02	-	-	-	-
Chrysene	0.02 ug/g	0.05	-	-	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	-	-	-	-
Fluoranthene	0.02 ug/g	0.08	-	-	-	-
Fluorene	0.02 ug/g	<0.02	-	-	-	-
Indeno [1,2,3-cd] pyrene	0.02 ug/g	<0.02	-	-	-	-
1-Methylnaphthalene	0.02 ug/g	0.10	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	0.16	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.25	-	-	-	-
Naphthalene	0.01 ug/g	0.12	-	-	-	-
Phenanthrene	0.02 ug/g	0.14	-	-	-	-
Pyrene	0.02 ug/g	0.06	-	-	-	-
2-Fluorobiphenyl	Surrogate	77.0%	-	-	-	-
Terphenyl-d14	Surrogate	81.7%	-	-	-	-

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
Conductivity	ND	5	uS/cm					
Hydrocarbons								
F1 PHCs (C6-C10)	ND	7	ug/g					
F2 PHCs (C10-C16)	ND	4	ug/g					
F3 PHCs (C16-C34)	ND	8	ug/g					
F4 PHCs (C34-C50)	ND	6	ug/g					
Metals								
Antimony	ND	1.0	ug/g					
Arsenic	ND	1.0	ug/g					
Barium	ND	1.0	ug/g					
Beryllium	ND	0.5	ug/g					
Boron, available	ND	0.5	ug/g					
Boron	ND	5.0	ug/g					
Cadmium	ND	0.5	ug/g					
Chromium	ND	5.0	ug/g					
Cobalt	ND	1.0	ug/g					
Copper	ND	5.0	ug/g					
Lead	ND	1.0	ug/g					
Mercury	ND	0.1	ug/g					
Molybdenum	ND	1.0	ug/g					
Nickel	ND	5.0	ug/g					
Selenium	ND	1.0	ug/g					
Silver	ND	0.3	ug/g					
Thallium	ND	1.0	ug/g					
Uranium	ND	1.0	ug/g					
Vanadium	ND	10.0	ug/g					
Zinc	ND	20.0	ug/g					
Semi-Volatiles								
Acenaphthene	ND	0.02	ug/g					
Acenaphthylene	ND	0.02	ug/g					
Anthracene	ND	0.02	ug/g					
Benzo [a] anthracene	ND	0.02	ug/g					

Certificate of Analysis

Report Date: 03-Mar-2025

Client: **WSP Canada Inc. (Windsor)**

Order Date: 14-Feb-2025

Client PO: **P110955CA001**

Project Description: **CA0046126.8978.2000**

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [a] pyrene	ND	0.02	ug/g					
Benzo [b] fluoranthene	ND	0.02	ug/g					
Benzo [g,h,i] perylene	ND	0.02	ug/g					
Benzo [k] fluoranthene	ND	0.02	ug/g					
Chrysene	ND	0.02	ug/g					
Dibenzo [a,h] anthracene	ND	0.02	ug/g					
Fluoranthene	ND	0.02	ug/g					
Fluorene	ND	0.02	ug/g					
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g					
1-Methylnaphthalene	ND	0.02	ug/g					
2-Methylnaphthalene	ND	0.02	ug/g					
Methylnaphthalene (1&2)	ND	0.04	ug/g					
Naphthalene	ND	0.01	ug/g					
Phenanthrene	ND	0.02	ug/g					
Pyrene	ND	0.02	ug/g					
Surrogate: 2-Fluorobiphenyl	1.27		%	95.6	50-140			
Surrogate: Terphenyl-d14	1.43		%	107	50-140			
Volatiles								
Acetone	ND	0.50	ug/g					
Benzene	ND	0.02	ug/g					
Bromodichloromethane	ND	0.05	ug/g					
Bromoform	ND	0.05	ug/g					
Bromomethane	ND	0.05	ug/g					
Carbon Tetrachloride	ND	0.05	ug/g					
Chlorobenzene	ND	0.05	ug/g					
Chloroform	ND	0.05	ug/g					
Dibromochloromethane	ND	0.05	ug/g					
Dichlorodifluoromethane	ND	0.05	ug/g					
1,2-Dichlorobenzene	ND	0.05	ug/g					
1,3-Dichlorobenzene	ND	0.05	ug/g					
1,4-Dichlorobenzene	ND	0.05	ug/g					
1,1-Dichloroethane	ND	0.05	ug/g					

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
1,2-Dichloroethane	ND	0.05	ug/g					
1,1-Dichloroethylene	ND	0.05	ug/g					
cis-1,2-Dichloroethylene	ND	0.05	ug/g					
trans-1,2-Dichloroethylene	ND	0.05	ug/g					
1,2-Dichloropropane	ND	0.05	ug/g					
cis-1,3-Dichloropropylene	ND	0.05	ug/g					
trans-1,3-Dichloropropylene	ND	0.05	ug/g					
1,3-Dichloropropene, total	ND	0.05	ug/g					
Ethylbenzene	ND	0.05	ug/g					
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g					
Hexane	ND	0.05	ug/g					
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g					
Methyl Isobutyl Ketone	ND	0.50	ug/g					
Methyl tert-butyl ether	ND	0.05	ug/g					
Methylene Chloride	ND	0.05	ug/g					
Styrene	ND	0.05	ug/g					
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g					
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g					
Tetrachloroethylene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
1,1,1-Trichloroethane	ND	0.05	ug/g					
1,1,2-Trichloroethane	ND	0.05	ug/g					
Trichloroethylene	ND	0.05	ug/g					
Trichlorofluoromethane	ND	0.05	ug/g					
Vinyl chloride	ND	0.02	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: 4-Bromofluorobenzene	7.74		%	96.7	50-140			
Surrogate: Dibromofluoromethane	8.14		%	102	50-140			
Surrogate: Toluene-d8	8.28		%	103	50-140			
Benzene	ND	0.02	ug/g					

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Ethylbenzene	ND	0.05	ug/g					
Toluene	ND	0.05	ug/g					
m,p-Xylenes	ND	0.05	ug/g					
o-Xylene	ND	0.05	ug/g					
Xylenes, total	ND	0.05	ug/g					
Surrogate: Toluene-d8	8.37		%	105	50-140			

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Conductivity	394	5	uS/cm	404			2.3	5	
pH	7.64	0.05	pH Units	7.68			0.5	2.3	
Hydrocarbons									
F1 PHCs (C6-C10)	ND	7	ug/g	ND			NC	40	
F2 PHCs (C10-C16)	ND	4	ug/g	ND			NC	30	
F3 PHCs (C16-C34)	ND	8	ug/g	10			NC	30	
F4 PHCs (C34-C50)	ND	6	ug/g	10			NC	30	
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	2.6	1.0	ug/g	2.3			15.1	30	
Barium	101	1.0	ug/g	100			0.9	30	
Beryllium	ND	0.5	ug/g	ND			NC	30	
Boron, available	1.10	0.5	ug/g	1.10			0.5	35	
Boron	ND	5.0	ug/g	ND			NC	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium	27.2	5.0	ug/g	25.7			5.7	30	
Cobalt	6.7	1.0	ug/g	6.5			3.8	30	
Copper	20.9	5.0	ug/g	20.2			3.6	30	
Lead	3.7	1.0	ug/g	3.8			1.2	30	
Mercury	ND	0.1	ug/g	ND			NC	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	15.7	5.0	ug/g	14.9			5.3	30	
Selenium	ND	1.0	ug/g	ND			NC	30	
Silver	ND	0.3	ug/g	ND			NC	30	
Thallium	ND	1.0	ug/g	ND			NC	30	
Uranium	ND	1.0	ug/g	ND			NC	30	
Vanadium	35.4	10.0	ug/g	33.3			5.9	30	
Zinc	28.3	20.0	ug/g	27.4			2.9	30	
Physical Characteristics									
% Solids	81.9	0.1	% by Wt.	81.2			0.9	25	

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Semi-Volatiles									
Acenaphthene	0.030	0.02	ug/g	ND			NC	40	
Acenaphthylene	0.021	0.02	ug/g	0.022			6.1	40	
Anthracene	0.093	0.02	ug/g	0.051			57.3	40	QR-04
Benzo [a] anthracene	0.261	0.02	ug/g	0.187			32.7	40	
Benzo [a] pyrene	0.230	0.02	ug/g	0.180			24.5	40	
Benzo [b] fluoranthene	0.345	0.02	ug/g	0.261			27.6	40	
Benzo [g,h,i] perylene	0.133	0.02	ug/g	0.104			24.2	40	
Benzo [k] fluoranthene	0.100	0.02	ug/g	0.078			24.7	40	
Chrysene	0.292	0.02	ug/g	0.215			30.3	40	
Dibenzo [a,h] anthracene	ND	0.02	ug/g	ND			NC	40	
Fluoranthene	0.607	0.02	ug/g	0.440			32.0	40	
Fluorene	0.032	0.02	ug/g	0.021			43.9	40	QR-04
Indeno [1,2,3-cd] pyrene	0.148	0.02	ug/g	0.119			22.3	40	
1-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
2-Methylnaphthalene	ND	0.02	ug/g	ND			NC	40	
Naphthalene	0.021	0.01	ug/g	0.012			56.0	40	QR-04
Phenanthrene	0.365	0.02	ug/g	0.257			34.7	40	
Pyrene	0.450	0.02	ug/g	0.325			32.1	40	
Surrogate: 2-Fluorobiphenyl	1.54		%		83.0	50-140			
Surrogate: Terphenyl-d14	1.68		%		90.3	50-140			
Volatiles									
Acetone	ND	0.50	ug/g	ND			NC	50	
Benzene	ND	0.02	ug/g	ND			NC	50	
Bromodichloromethane	ND	0.05	ug/g	ND			NC	50	
Bromoform	ND	0.05	ug/g	ND			NC	50	
Bromomethane	ND	0.05	ug/g	ND			NC	50	
Carbon Tetrachloride	ND	0.05	ug/g	ND			NC	50	
Chlorobenzene	ND	0.05	ug/g	ND			NC	50	
Chloroform	ND	0.05	ug/g	ND			NC	50	
Dibromochloromethane	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Dichlorodifluoromethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,3-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,4-Dichlorobenzene	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
cis-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
trans-1,2-Dichloroethylene	ND	0.05	ug/g	ND			NC	50	
1,2-Dichloropropane	ND	0.05	ug/g	ND			NC	50	
cis-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
trans-1,3-Dichloropropylene	ND	0.05	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Ethylene dibromide (dibromoethane, 1,2-)	ND	0.05	ug/g	ND			NC	50	
Hexane	ND	0.05	ug/g	ND			NC	50	
Methyl Ethyl Ketone (2-Butanone)	ND	0.50	ug/g	ND			NC	50	
Methyl Isobutyl Ketone	ND	0.50	ug/g	ND			NC	50	
Methyl tert-butyl ether	ND	0.05	ug/g	ND			NC	50	
Methylene Chloride	ND	0.05	ug/g	ND			NC	50	
Styrene	ND	0.05	ug/g	ND			NC	50	
1,1,1,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2,2-Tetrachloroethane	ND	0.05	ug/g	ND			NC	50	
Tetrachloroethylene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
1,1,1-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
1,1,2-Trichloroethane	ND	0.05	ug/g	ND			NC	50	
Trichloroethylene	ND	0.05	ug/g	ND			NC	50	
Trichlorofluoromethane	ND	0.05	ug/g	ND			NC	50	
Vinyl chloride	ND	0.02	ug/g	ND			NC	50	
m,p-Xylenes	0.069	0.05	ug/g	0.105			41.2	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: 4-Bromofluorobenzene	9.79		%		107	50-140			
Surrogate: Dibromofluoromethane	10.4		%		113	50-140			
Surrogate: Toluene-d8	9.75		%		106	50-140			
Benzene	ND	0.02	ug/g	ND			NC	50	
Ethylbenzene	ND	0.05	ug/g	ND			NC	50	
Toluene	ND	0.05	ug/g	ND			NC	50	
m,p-Xylenes	ND	0.05	ug/g	ND			NC	50	
o-Xylene	ND	0.05	ug/g	ND			NC	50	
Surrogate: Toluene-d8	10.8		%		110	50-140			

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Hydrocarbons									
F1 PHCs (C6-C10)	173	7	ug/g	ND	101	85-115			
F2 PHCs (C10-C16)	98	4	ug/g	ND	95.3	60-140			
F3 PHCs (C16-C34)	289	8	ug/g	10	110	60-140			
F4 PHCs (C34-C50)	185	6	ug/g	10	109	60-140			
Metals									
Arsenic	50.8	1.0	ug/g	ND	99.8	70-130			
Barium	96.9	1.0	ug/g	40.2	113	70-130			
Beryllium	57.0	0.5	ug/g	ND	114	70-130			
Boron, available	4.82	0.5	ug/g	1.10	74.4	70-122			
Boron	53.3	5.0	ug/g	ND	103	70-130			
Cadmium	52.7	0.5	ug/g	ND	105	70-130			
Chromium	69.2	5.0	ug/g	10.3	118	70-130			
Cobalt	56.5	1.0	ug/g	2.6	108	70-130			
Copper	59.2	5.0	ug/g	8.1	102	70-130			
Lead	50.0	1.0	ug/g	1.5	96.9	70-130			
Mercury	1.42	0.1	ug/g	ND	94.9	70-130			
Molybdenum	50.7	1.0	ug/g	ND	101	70-130			
Nickel	59.2	5.0	ug/g	5.9	106	70-130			
Selenium	49.8	1.0	ug/g	ND	99.2	70-130			
Silver	45.5	0.3	ug/g	ND	91.0	70-130			
Thallium	46.6	1.0	ug/g	ND	93.2	70-130			
Uranium	47.3	1.0	ug/g	ND	94.1	70-130			
Vanadium	71.7	10.0	ug/g	13.3	117	70-130			
Zinc	65.0	20.0	ug/g	ND	108	70-130			
Semi-Volatiles									
Acenaphthene	0.256	0.02	ug/g	ND	111	50-140			
Acenaphthylene	0.295	0.02	ug/g	0.022	118	50-140			
Anthracene	0.345	0.02	ug/g	0.051	127	50-140			
Benzo [a] anthracene	0.215	0.02	ug/g	ND	100	50-140			
Benzo [a] pyrene	0.190	0.02	ug/g	ND	88.4	50-140			

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Benzo [b] fluoranthene	0.172	0.02	ug/g	ND	80.0	50-140			
Benzo [g,h,i] perylene	0.134	0.02	ug/g	ND	62.2	50-140			
Benzo [k] fluoranthene	0.181	0.02	ug/g	ND	84.0	50-140			
Chrysene	0.212	0.02	ug/g	ND	98.6	50-140			
Dibenzo [a,h] anthracene	0.164	0.02	ug/g	ND	76.0	50-140			
Fluoranthene	0.230	0.02	ug/g	ND	107	50-140			
Fluorene	0.257	0.02	ug/g	0.021	102	50-140			
Indeno [1,2,3-cd] pyrene	0.160	0.02	ug/g	ND	74.5	50-140			
1-Methylnaphthalene	0.201	0.02	ug/g	ND	86.5	50-140			
2-Methylnaphthalene	0.228	0.02	ug/g	ND	98.4	50-140			
Naphthalene	0.242	0.01	ug/g	0.012	99.0	50-140			
Phenanthrene	0.211	0.02	ug/g	ND	98.1	50-140			
Pyrene	0.180	0.02	ug/g	ND	83.6	50-140			
Surrogate: 2-Fluorobiphenyl	1.54		%		82.8	50-140			
Surrogate: Terphenyl-d14	1.64		%		88.5	50-140			
Volatiles									
Acetone	11.4	0.50	ug/g	ND	114	50-140			
Benzene	4.32	0.02	ug/g	ND	108	60-130			
Bromodichloromethane	4.58	0.05	ug/g	ND	114	60-130			
Bromoform	4.42	0.05	ug/g	ND	110	60-130			
Bromomethane	4.89	0.05	ug/g	ND	122	50-140			
Carbon Tetrachloride	4.16	0.05	ug/g	ND	104	60-130			
Chlorobenzene	4.80	0.05	ug/g	ND	120	60-130			
Chloroform	5.02	0.05	ug/g	ND	125	60-130			
Dibromochloromethane	4.13	0.05	ug/g	ND	103	60-130			
Dichlorodifluoromethane	3.40	0.05	ug/g	ND	85.0	50-140			
1,2-Dichlorobenzene	5.07	0.05	ug/g	ND	127	60-130			
1,3-Dichlorobenzene	5.07	0.05	ug/g	ND	127	60-130			
1,4-Dichlorobenzene	5.02	0.05	ug/g	ND	126	60-130			
1,1-Dichloroethane	5.17	0.05	ug/g	ND	129	60-130			
1,2-Dichloroethane	4.64	0.05	ug/g	ND	116	60-130			

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
1,1-Dichloroethylene	4.50	0.05	ug/g	ND	113	60-130			
cis-1,2-Dichloroethylene	4.76	0.05	ug/g	ND	119	60-130			
trans-1,2-Dichloroethylene	4.15	0.05	ug/g	ND	104	60-130			
1,2-Dichloropropane	4.76	0.05	ug/g	ND	119	60-130			
cis-1,3-Dichloropropylene	4.15	0.05	ug/g	ND	104	60-130			
trans-1,3-Dichloropropylene	4.30	0.05	ug/g	ND	107	60-130			
Ethylbenzene	5.11	0.05	ug/g	ND	128	60-130			
Ethylene dibromide (dibromoethane, 1,2-)	3.46	0.05	ug/g	ND	86.4	60-130			
Hexane	3.66	0.05	ug/g	ND	91.6	60-130			
Methyl Ethyl Ketone (2-Butanone)	10.1	0.50	ug/g	ND	101	50-140			
Methyl Isobutyl Ketone	11.9	0.50	ug/g	ND	119	50-140			
Methyl tert-butyl ether	11.1	0.05	ug/g	ND	111	50-140			
Methylene Chloride	4.64	0.05	ug/g	ND	116	60-130			
Styrene	4.68	0.05	ug/g	ND	117	60-130			
1,1,1,2-Tetrachloroethane	3.89	0.05	ug/g	ND	97.4	60-130			
1,1,2,2-Tetrachloroethane	3.44	0.05	ug/g	ND	85.9	60-130			
Tetrachloroethylene	4.24	0.05	ug/g	ND	106	60-130			
Toluene	5.04	0.05	ug/g	ND	126	60-130			
1,1,1-Trichloroethane	3.76	0.05	ug/g	ND	93.9	60-130			
1,1,2-Trichloroethane	4.52	0.05	ug/g	ND	113	60-130			
Trichloroethylene	4.10	0.05	ug/g	ND	103	60-130			
Trichlorofluoromethane	4.15	0.05	ug/g	ND	104	50-140			
Vinyl chloride	3.58	0.02	ug/g	ND	89.6	50-140			
m,p-Xylenes	9.97	0.05	ug/g	ND	125	60-130			
o-Xylene	5.08	0.05	ug/g	ND	127	60-130			
Surrogate: 4-Bromofluorobenzene	7.73		%		96.7	50-140			
Surrogate: Dibromofluoromethane	7.89		%		98.6	50-140			
Surrogate: Toluene-d8	7.94		%		99.2	50-140			
Benzene	4.25	0.02	ug/g	ND	106	60-130			
Ethylbenzene	4.82	0.05	ug/g	ND	120	60-130			
Toluene	4.76	0.05	ug/g	ND	119	60-130			

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
m,p-Xylenes	9.49	0.05	ug/g	ND	119	60-130			
o-Xylene	4.78	0.05	ug/g	ND	119	60-130			
Surrogate: Toluene-d8	7.99		%		99.8	50-140			

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Qualifier Notes:**Login Qualifiers :**

Sample - One or more parameter received or added past hold time. Directed by client to proceed with analysis - BTEX

Applies to Samples: MW11 SA2

Sample - One or more parameter received or added past hold time. Directed by client to proceed with analysis - PHC F1-F4

Applies to Samples: MW10 SA1b, MW10 SA1c, MW10 SA3b, MW10 SA3c, MW10 SA4, BH21 SA2b

Sample - One or more parameter received or added past hold time. Directed by client to proceed with analysis - PHC F2-F4

Applies to Samples: BH27 SA2b, BH27 SA2c

Sample - One or more parameter received or added past hold time. Directed by client to proceed with analysis - VOC's

Applies to Samples: MW10 SA2

Sample Qualifiers :

1: Holding time had been exceeded upon receipt of the sample at the laboratory or prior to the analysis being requested.

Applies to Samples: BH27 SA2b, BH27 SA2c

2: This analysis was conducted after the accepted holding time had been exceeded.

QC Qualifiers:

QR-04 Duplicate results exceeds RPD limits due to non-homogeneous matrix.

Sample Data Revisions:

None

Certificate of Analysis

Report Date: 03-Mar-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 14-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Work Order Revisions / Comments:

Revision - 1: This report has been revised to contain additional data to samples 18 and 19.

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unless otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

CCME PHC additional information:

- The method for the analysis of PHCs complies with the Reference Method for the CWS PHC and is validated for use in the laboratory. All prescribed quality criteria identified in the method has been met.
- F1 range corrected for BTEX.
- F2 to F3 ranges corrected for appropriate PAHs where available.
- The gravimetric heavy hydrocarbons (F4G) are not to be added to C6 to C50 hydrocarbons.
- In the case where F4 and F4G are both reported, the greater of the two results is to be used for comparison to CWS PHC criteria.
- When reported, data for F4G has been processed using a silica gel cleanup.

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 9 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Parcel Order Number: 2507405						Matrix	Air Volume	# of Containers	Sample Taken		Required Analyses													
Sample ID/Location Name					Date				Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP			CVI	B (HWS)	BTEX	PHCs	EC	pH			
1	MW1 SA2b	S		1	4-Feb-25	1131																		
2	MW1 SA2c	S		1	4-Feb-25	1132																		
3	MW1 SA3 (on 2506346-02)	S		1	4-Feb-25	1140																		
4	MW2 SA3b	S		2	4-Feb-25	1241																		
5	MW2 SA3c	S		2	4-Feb-25	1242																		
6	MW2 SA4b	S		1	4-Feb-25	1251																		
7	MW2 SA4c	S		1	4-Feb-25	1252																		
8	MW8 SA1b	S		1	5-Feb-25	0931																		
9	MW8 SA1c	S		1	5-Feb-25	0932																		
10	MW9 SA3b	S		1	5-Feb-25	1056																		

Comments: Use GCS sample ID 1 of 1

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery: **PICK UP**

Relinquished By (Sign): <i>[Signature]</i>	Received By Driver/Depot: <i>K. Jakobsen</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>K. Jakobsen</i>
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 14/25 11:30	Date/Time: Feb 15/25 10:35	Date/Time: Feb. 14/25 14:20
Date/Time: February 14, 2025 11:00	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [] By: _____



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ ☐ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Parcel Order Number:

2507405

Required Analyses

Parcel Order Number: 250740S						Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC	pH	BTEX						
Sample ID/Location Name		Date	Time																							
1	MW9 SA3c	S		1	5-Feb-25	1057																				
2	BH14 SA2b	S		1	4-Feb-25	1416																				
3	BH14 SA2c	S		1	4-Feb-25	1417																				
4	BH17 SA2b	S		1	4-Feb-25	1631																				
5	BH17 SA2c	S		1	4-Feb-25	1632																				
6	BH23 SA1b	S		2	3-Feb-25	1416																				
7	BH23 SA1c	S		2	3-Feb-25	1417																				
8	BH27 SA2b	S		2	5-Feb-25	1321																				
9	BH27 SA2c	S		2	5-Feb-25	1322																				
10	BH14 SA3 (on 2506346-HOLD)	S		1	4-Feb-25	1425																				

Comments: Use 2506346-HOLD

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Pick up

Relinquished By (Sign): <i>[Signature]</i>	Received by Driver/Depot: <i>K. Jakobsen</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>K. Jakobsen</i>
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 14/25 11:30	Date/Time: Feb. 15/25 10:35	Date/Time: Feb. 14/25 14:20
Date/Time: February 14, 2025 1100	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [] By: _____

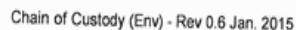


Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Parcel Order Number:		Matrix	Air Volume	# of Containers	Sample Taken		Required Analyses													
Sample ID/Location Name					Date	Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	HOLD						
1	MW2 SA4 (2506346-05)	S		1	3-Feb-25	1250	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
2	MW7 SA1b	S		1	3-Feb-25	1616	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
3	MW7 SA1c	S		1	3-Feb-25	1617	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
4	MW8 SA2 At Lab	S		2	5-Feb-25	0935	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
5	MW9 SA4 At Lab	S		2	5-Feb-25	1100	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
6	MW10 SA1b	S		2	3-Feb-25	1451	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
7	MW10 SA1c	S		2	3-Feb-25	1452	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
8	MW10 SA3b	S		2	3-Feb-25	1501	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
9	MW10 SA3c	S		2	3-Feb-25	1502	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	
10	MW10 SA4	S		2	3-Feb-25	1505	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	

Comments: Use COC sample ID if difference between COC and soil jar		Method of Delivery: PICK UP	
Relinquished By (Sign): <i>[Signature]</i>	Received by Driver/Depot: K. Jakobsen	Received at Lab: <i>[Signature]</i>	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 14/25 11:30	Date/Time: Feb 15/25 10:35	Date/Time: Feb. 14/25 14:20
Date/Time: February 14, 2025 11:00	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [] By: _____





Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)						Required Analyses															
Paracel Order Number: 2507405		Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	HOLD							
Sample ID/Location Name	Date				Time																
1 BH21 SA2	S		2	3-Feb-25	1307	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐
2 BH21 SA3	S		2	3-Feb-25	1310	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐
3 MW10 SA2 (2506346-hold)	S		2	3-Feb-25	1455	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10						☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Comments: Use COC sample ID if difference between COC and soil jar		Method of Delivery: PICK UP	
Relinquished By (Sign): <i>[Signature]</i>	Received by Driver/Depot: <i>K. Jakobsen</i>	Received at Lab: <i>[Signature]</i>	Verified By: <i>K. Jakobsen</i>
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 14/25 11:30	Date/Time: Feb. 15/25 10:35	Date/Time: Feb. 14/25 14:20
Date/Time: February 14, 2025 11:00	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [] By:

Certificate of Analysis

WSP Canada Inc. (Windsor)

11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P110955CA001
Project: CA0046126.8978.2000

Custody:

Report Date: 12-Feb-2025

Order Date: 6-Feb-2025

Order #: 2506351

This Certificate of Analysis contains analytical data applicable to the following samples as submitted:

Paracel ID	Client ID
2506351-01	TCLP-WD

Approved By:



Mark Foto, M.Sc.

Laboratory Director

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Ignitability	based on EPA 1030	7-Feb-25	7-Feb-25
Metals, ICP-MS	TCLP EPA 6020 - Digestion - ICP-MS	10-Feb-25	10-Feb-25
REG 558 - Cyanide	TCLP MOE E3015- Auto Colour	10-Feb-25	10-Feb-25
REG 558 - Fluoride	TCLP EPA 340.2 - ISE	8-Feb-25	8-Feb-25
REG 558 - Mercury by CVAA	TCLP EPA 7470A, CVAA	10-Feb-25	11-Feb-25
REG 558 - NO3/NO2	TCLP EPA 300.1 - IC	10-Feb-25	10-Feb-25
REG 558 - PAHs	TCLP EPA 625 - GC-MS	10-Feb-25	11-Feb-25
REG 558 - VOCs	TCLP ZHE EPA 624 - P&T GC-MS	10-Feb-25	11-Feb-25
Solids, %	CWS Tier 1 - Gravimetric	7-Feb-25	10-Feb-25

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Summary of Criteria Exceedances

(If this page is blank then there are no exceedances)

Only those criteria that a sample exceeds will be highlighted in red

Regulatory Comparison:

Paracel Laboratories has provided regulatory guidelines on this report for informational purposes only and makes no representations or warranties that the data is accurate or reflects the current regulatory values. The user is advised to consult with the appropriate official regulations to evaluate compliance. Sample results that are highlighted have exceeded the selected regulatory limit. Calculated uncertainty estimations have not been applied for determining regulatory exceedances.

Sample	Analyte	MDL / Units	Result	Reg 558 Schedule 4	-
--------	---------	-------------	--------	--------------------	---

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	TCLP-WD	-	-	-	Criteria:
Sample Date:	05-Feb-25 00:00	-	-	-	Reg 558 Schedule 4
Sample ID:	2506351-01	-	-	-	-
Matrix:	Soil	-	-	-	
MDL/Units					

Physical Characteristics

% Solids	0.1 % by Wt.	87.9	-	-	-	-
Ignitability	N/A	Negative	-	-	-	-

EPA 1311 - TCLP Leachate Inorganics

Fluoride	0.05 mg/L	0.16	-	-	-	150 mg/L	-
Nitrate as N	1 mg/L	<1	-	-	-	1000 mg/L	-
Nitrite as N	1 mg/L	<1	-	-	-	1000 mg/L	-
Nitrate + Nitrite as N	2 mg/L	<2	-	-	-	1000 mg/L	-
Cyanide, free	0.02 mg/L	<0.02	-	-	-	20 mg/L	-

EPA 1311 - TCLP Leachate Metals

Arsenic	0.05 mg/L	<0.05	-	-	-	2.5 mg/L	-
Barium	0.05 mg/L	0.47	-	-	-	100 mg/L	-
Boron	0.10 mg/L	<0.10	-	-	-	500 mg/L	-
Cadmium	0.01 mg/L	<0.01	-	-	-	0.5 mg/L	-
Chromium	0.05 mg/L	<0.05	-	-	-	5 mg/L	-
Lead	0.05 mg/L	<0.05	-	-	-	5 mg/L	-
Mercury	0.005 mg/L	<0.005	-	-	-	0.1 mg/L	-
Selenium	0.05 mg/L	<0.05	-	-	-	1 mg/L	-
Silver	0.05 mg/L	<0.05	-	-	-	5 mg/L	-
Uranium	0.05 mg/L	<0.05	-	-	-	10 mg/L	-

EPA 1311 - TCLP Leachate Volatiles

Benzene	0.005 mg/L	<0.005	-	-	-	0.5 mg/L	-
Carbon Tetrachloride	0.005 mg/L	<0.005	-	-	-	0.5 mg/L	-
Chlorobenzene	0.004 mg/L	<0.004	-	-	-	8 mg/L	-
Chloroform	0.006 mg/L	<0.006	-	-	-	10 mg/L	-
1,2-Dichlorobenzene	0.004 mg/L	<0.004	-	-	-	20 mg/L	-

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Client ID:	TCLP-WD	-	-	-	Criteria:
Sample Date:	05-Feb-25 00:00	-	-	-	Reg 558 Schedule 4
Sample ID:	2506351-01	-	-	-	-
Matrix:	Soil	-	-	-	
MDL/Units					

EPA 1311 - TCLP Leachate Volatiles

1,4-Dichlorobenzene	0.004 mg/L	<0.004	-	-	-	0.5 mg/L	-
1,2-Dichloroethane	0.005 mg/L	<0.005	-	-	-	0.5 mg/L	-
1,1-Dichloroethylene	0.006 mg/L	<0.006	-	-	-	1.4 mg/L	-
Methyl Ethyl Ketone (2-Butanone)	0.30 mg/L	<0.30	-	-	-	200 mg/L	-
Methylene Chloride	0.04 mg/L	<0.04	-	-	-	5 mg/L	-
Tetrachloroethylene	0.005 mg/L	<0.005	-	-	-	3 mg/L	-
Trichloroethylene	0.004 mg/L	<0.004	-	-	-	5 mg/L	-
Vinyl chloride	0.005 mg/L	<0.005	-	-	-	0.2 mg/L	-
Toluene-d8	Surrogate	106%	-	-	-	-	-
Dibromofluoromethane	Surrogate	98.5%	-	-	-	-	-
4-Bromofluorobenzene	Surrogate	104%	-	-	-	-	-

EPA 1311 - TCLP Leachate Organics

Benzo [a] pyrene	0.0001 mg/L	<0.0001	-	-	-	0.001 mg/L	-
Terphenyl-d14	Surrogate	86.8%	-	-	-	-	-

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics								
Fluoride	ND	0.05	mg/L					
Nitrate as N	ND	1	mg/L					
Nitrite as N	ND	1	mg/L					
Nitrate + Nitrite as N	ND	2	mg/L					
Cyanide, free	ND	0.02	mg/L					
EPA 1311 - TCLP Leachate Metals								
Arsenic	ND	0.05	mg/L					
Barium	ND	0.05	mg/L					
Boron	ND	0.10	mg/L					
Cadmium	ND	0.01	mg/L					
Chromium	ND	0.05	mg/L					
Lead	ND	0.05	mg/L					
Mercury	ND	0.005	mg/L					
Selenium	ND	0.05	mg/L					
Silver	ND	0.05	mg/L					
Uranium	ND	0.05	mg/L					
EPA 1311 - TCLP Leachate Organics								
Benzo [a] pyrene	ND	0.0001	mg/L					
Surrogate: Terphenyl-d14	0.18		%	92.4	37-156			
EPA 1311 - TCLP Leachate Volatiles								
Benzene	ND	0.005	mg/L					
Carbon Tetrachloride	ND	0.005	mg/L					
Chlorobenzene	ND	0.004	mg/L					
Chloroform	ND	0.006	mg/L					
1,2-Dichlorobenzene	ND	0.004	mg/L					
1,4-Dichlorobenzene	ND	0.004	mg/L					
1,2-Dichloroethane	ND	0.005	mg/L					
1,1-Dichloroethylene	ND	0.006	mg/L					
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L					
Methylene Chloride	ND	0.04	mg/L					
Tetrachloroethylene	ND	0.005	mg/L					
Trichloroethylene	ND	0.004	mg/L					

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
Vinyl chloride	ND	0.005	mg/L					
Surrogate: 4-Bromofluorobenzene	0.715		%	104	83-134			
Surrogate: Dibromofluoromethane	0.646		%	94.0	78-124			
Surrogate: Toluene-d8	0.735		%	107	76-118			

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	0.19	0.05	mg/L	0.19			0.4	15	
Nitrate as N	ND	1	mg/L	ND			NC	20	
Nitrite as N	ND	1	mg/L	ND			NC	20	
Cyanide, free	ND	0.02	mg/L	ND			NC	20	
EPA 1311 - TCLP Leachate Metals									
Arsenic	ND	0.05	mg/L	ND			NC	29	
Barium	0.308	0.05	mg/L	0.318			3.3	34	
Boron	ND	0.10	mg/L	ND			NC	33	
Cadmium	ND	0.01	mg/L	ND			NC	33	
Chromium	ND	0.05	mg/L	ND			NC	32	
Lead	ND	0.05	mg/L	ND			NC	32	
Mercury	ND	0.005	mg/L	ND			NC	30	
Selenium	ND	0.05	mg/L	ND			NC	28	
Silver	ND	0.05	mg/L	ND			NC	28	
Uranium	ND	0.05	mg/L	ND			NC	27	
EPA 1311 - TCLP Leachate Organics									
Benzo [a] pyrene	ND	0.0001	mg/L	ND			NC	50	
Surrogate: Terphenyl-d14	0.17		%		85.4	37-156			
EPA 1311 - TCLP Leachate Volatiles									
Benzene	ND	0.005	mg/L	ND			NC	25	
Carbon Tetrachloride	ND	0.005	mg/L	ND			NC	25	
Chlorobenzene	ND	0.004	mg/L	ND			NC	25	
Chloroform	ND	0.006	mg/L	ND			NC	25	
1,2-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,4-Dichlorobenzene	ND	0.004	mg/L	ND			NC	25	
1,2-Dichloroethane	ND	0.005	mg/L	ND			NC	25	
1,1-Dichloroethylene	ND	0.006	mg/L	ND			NC	25	
Methyl Ethyl Ketone (2-Butanone)	ND	0.30	mg/L	ND			NC	25	
Methylene Chloride	ND	0.04	mg/L	ND			NC	25	
Tetrachloroethylene	ND	0.005	mg/L	ND			NC	25	

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichloroethylene	ND	0.004	mg/L	ND			NC	25	
Vinyl chloride	ND	0.005	mg/L	ND			NC	25	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>0.722</i>		%		<i>105</i>	<i>83-134</i>			
<i>Surrogate: Dibromofluoromethane</i>	<i>0.687</i>		%		<i>99.8</i>	<i>78-124</i>			
<i>Surrogate: Toluene-d8</i>	<i>0.728</i>		%		<i>106</i>	<i>76-118</i>			
Physical Characteristics									
% Solids	83.3	0.1	% by Wt.	83.3			0.0	25	

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Inorganics									
Fluoride	0.68	0.05	mg/L	0.19	99.2	77-129			
Nitrate as N	10	1	mg/L	ND	102	81-112			
Nitrite as N	9	1	mg/L	ND	94.0	76-107			
Cyanide, free	0.041	0.02	mg/L	ND	81.3	60-140			
EPA 1311 - TCLP Leachate Metals									
Arsenic	55.3	0.05	mg/L	0.420	110	83-119			
Barium	83.6	0.05	mg/L	31.8	104	80-120			
Boron	54.3	0.10	mg/L	4.31	99.9	71-128			
Cadmium	51.4	0.01	mg/L	0.335	102	78-119			
Chromium	62.5	0.05	mg/L	0.115	125	80-124			QM-07
Lead	47.8	0.05	mg/L	0.610	94.3	77-126			
Mercury	0.0302	0.005	mg/L	ND	101	70-130			
Selenium	51.8	0.05	mg/L	0.537	103	75-125			
Silver	43.5	0.05	mg/L	ND	87.0	70-128			
Uranium	49.2	0.05	mg/L	0.360	97.7	70-131			
EPA 1311 - TCLP Leachate Organics									
Benzo [a] pyrene	0.0473	0.0001	mg/L	ND	94.5	39-123			
Surrogate: Terphenyl-d14	0.17		%		87.2	37-156			
EPA 1311 - TCLP Leachate Volatiles									
Benzene	0.432	0.005	mg/L	ND	126	55-141			
Carbon Tetrachloride	0.361	0.005	mg/L	ND	105	49-149			
Chlorobenzene	0.418	0.004	mg/L	ND	122	64-137			
Chloroform	0.402	0.006	mg/L	ND	117	58-138			
1,2-Dichlorobenzene	0.364	0.004	mg/L	ND	106	60-150			
1,4-Dichlorobenzene	0.369	0.004	mg/L	ND	107	63-132			
1,2-Dichloroethane	0.409	0.005	mg/L	ND	119	50-140			
1,1-Dichloroethylene	0.385	0.006	mg/L	ND	112	43-153			
Methyl Ethyl Ketone (2-Butanone)	0.894	0.30	mg/L	ND	104	26-153			
Methylene Chloride	0.322	0.04	mg/L	ND	93.6	58-149			
Tetrachloroethylene	0.354	0.005	mg/L	ND	103	51-145			

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Trichloroethylene	0.371	0.004	mg/L	ND	108	52-135			
Vinyl chloride	0.384	0.005	mg/L	ND	112	31-159			
Surrogate: 4-Bromofluorobenzene	0.592		%		86.0	83-134			
Surrogate: Dibromofluoromethane	0.688		%		100	78-124			
Surrogate: Toluene-d8	0.618		%		89.8	76-118			

Certificate of Analysis

Report Date: 12-Feb-2025

Client: WSP Canada Inc. (Windsor)

Order Date: 6-Feb-2025

Client PO: P110955CA001

Project Description: CA0046126.8978.2000

Qualifier Notes:**Sample Qualifiers :****QC Qualifiers:**

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on other acceptable QC.

Sample Data Revisions:

None

Work Order Revisions / Comments:

None

Other Report Notes:

n/a: not applicable

ND: Not Detected

MDL: Method Detection Limit

Source Result: Data used as source for matrix and duplicate samples

%REC: Percent recovery.

RPD: Relative percent difference.

NC: Not Calculated

Soil results are reported on a dry weight basis unless otherwise noted.

Where %Solids is reported, moisture loss includes the loss of volatile hydrocarbons.

Any use of these results implies your agreement that our total liability in connection with this work, however arising, shall be limited to the amount paid by you for this work, and that our employees or agents shall not under any circumstances be liable to you in connection with this work.





Client Name: WSP Canada Inc.

Project Reference: CA0046126.8978.2000

Contact Name: Cindy McKee

Quote # 24-628

Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1

PO # P110955CA001

Telephone: 519-735-2499

Email Address: cindy.mckee@wsp.com

derek.saliba@wsp.com

TAT: ☒ Regular ☐ 3 Day

☐ 2 Day ☐ 1 Day

Date Required:

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Parcel Order Number: 2506346 (BULK)
AND 2506351 (TCLP)

Sample ID/Location Name		Matrix	Air Vol	# of Containers	Sample Date/Time		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CvI	B (HWS)	O Reg. 153 M&I	Texture	HOLD				
					Date	Time														
1	MW6 SA1	S		2	5-Feb-25	0825	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
2	MW7 SA1	S		2	3-Feb-25	1615	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
3	MW7 SA2	S		2	3-Feb-25	1620	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
4	MW8 SA1	S		2	5-Feb-25	0930	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
5	MW9 SA1	S		2	5-Feb-25	1045	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
6	MW9 SA3	S		2	5-Feb-25	1055	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
7	MW10 SA1	S		2	3-Feb-25	1450	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
8	MW10 SA2	S		2	3-Feb-25	1455	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
9	MW10 SA3	S		2	3-Feb-25	1500	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
10	MW11 SA1	S		2	3-Feb-25	0935	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
Comments: Use 600																				

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Walk in

Relinquished By (Sign):

Received by Driver/Depot:

Received at Lab:

Verified By:

Relinquished By (Print): Derek Saliba

Date/Time: Feb. 6/25 12:20

Date/Time: Feb 7 2025 14:10

Date/Time: Feb. 6/25 14:00

Date/Time: February 6, 2025

Temperature: 5.0 °C

Temperature: -1.5 °C

pH Verified [] By:



Client Name: WSP Canada Inc.

Project Reference: CA0046126.8978.2000

Contact Name: Cindy McKee

Quote # 24-628

Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1

PO # P110955CA001

Telephone: 519-735-2499

Email Address: cindy.mckee@wsp.com

derek.saliba@wsp.com

TAT: ☒ Regular ☐ 3 Day

☐ 2 Day ☐ 1 Day

Date Required:

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: Other:

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Paracel Order Number: 2506346 (BULK)
AND 2506351 (TCLP)

Sample ID/Location Name		Matr	Air V	# of	Date		Time	PHCs F	VOCs	PAHs	Metals	Hg	C-VI	B (HWS)	O.Reg	Tex	HOI						
1	MW11 SA2	S		2	3-Feb-25	0945		☐	☐	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
2	MW12 SA1	S		2	3-Feb-25	1230		☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
3	MW13 SA1	S		2	3-Feb-25	1110		☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
4	BH14 SA2	S		2	4-Feb-25	1415		☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
5	BH14 SA3	S		2	4-Feb-25	1425		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6	BH15 SA2	S		2	4-Feb-25	1335		☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
7	BH15 SA3	S		2	4-Feb-25	1340		☒	☒	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8	BH15 SA4	S		2	4-Feb-25	1345		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
9	BH16 SA1	S		2	4-Feb-25	1000		☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
10	BH17 SA2	S		2	4-Feb-25	1630		☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
Comments: Use CQC sample ID if different from above																							

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Walk in

Relinquished By (Sign):

Received by Driver/Depot:

Received at Lab:

Verified By:

Relinquished By (Print): Derek Saliba

Date/Time: Feb. 6/25 12:20

Date/Time: Feb 7, 2025 10:15

Date/Time: Feb. 6/25 14:06

Date/Time: February 6, 2025

Temperature: 5.0 °C

Temperature: -1.5 °C

pH Verified [] By:



Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	

Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Paracel Order Number: 2506346 (BULK)
AND 2506351 (TCLP)

Sample ID/Location Name		Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CvVI	B (HWS)	O. Reg. 153 M&I	Texture	HOLD						
					Date	Time																
1	BH17 SA3	S		2	4-Feb-25	1635	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
2	BH18 SA2	S		2	4-Feb-25	1645	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
3	BH18 SA3	S		2	4-Feb-25	1650	☒	☒	☒	☐	☐	☐	☐	☒	☒	☐	☐	☐	☐	☐	☐	☐
4	BH18 SA4	S		2	4-Feb-25	1655	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
5	BH19 SA2	S		2	5-Feb-25	1230	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
6	BH20 SA2	S		2	5-Feb-25	1255	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
7	BH21 SA2	S		2	5-Feb-25	1305	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
8	BH22 SA1	S		2	3-Feb-25	1540	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
9	BH22 SA2	S		2	3-Feb-25	1545	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐
10	BH23 SA1	S		2	3-Feb-25	1415	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Walk in

Relinquished By (Sign): <i>[Signature]</i>	Received by Driver/Depot: K. Jakobsen	Received at Lab: SD	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb. 7, 2025 10:10	Date/Time: Feb. 6/25 14:00
Date/Time: February 6, 2025	Temperature: 5.0 °C	Temperature: 1.5 °C	pH Verified [] By:



TRUSTED.
RESPONSIVE
RELIABLE.

Paracel ID: 2506351



Chain of Custody
(Lab Use Only)

Page 5 of 6

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Paracel Order Number: 2506346 (FULK)
AND 2506351 (TCLP)

Required Analyses

Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O. Reg. 153 M&I	Texture	HOLD				
				Date	Time														
1 BH23 SA2	S		2	3-Feb-25	1420	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
2 BH24 SA1	S		2	3-Feb-25	1325	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
3 BH25 SA1	S		2	3-Feb-25	1355	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
4 BH26 SA1	S		2	4-Feb-25	1355	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
5 BH26 SA2	S		2	4-Feb-25	1400	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
6 BH27 SA2	S		2	5-Feb-25	1320	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
7 BH27 SA3	S		2	5-Feb-25	1330	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
8 MW6 SA2	S		2	5-Feb-25	0835	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
9 MW8 SA2	S		2	5-Feb-25	0940	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
10 MW9 SA4	S		2	5-Feb-25	1105	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Walk in

Relinquished By (Sign): <i>FLN</i>	Received by Driver/Depot: <i>K. Jakobsen</i>	Received at Lab: <i>SP</i>	Verified By: <i>K. Jakobsen</i>
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb. 7, 2025 10:10	Date/Time: Feb. 6/25 14:00
Date/Time: February 6, 2025	Temperature: 5.0°C	Temperature: -1.5°C	pH Verified [] By: _____



TRUSTED,
RESPONSIVE
RELIABLE.

Paracel ID: 2506351



Chain of Custody
(Lab Use Only)

Page 6 of 6

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☒ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day Date Required: _____
Contact Name: Cindy McKee	Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #: P110955CA001	
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	
Criteria: ☒ O. Reg. 153/04 (As Amended) Table 3 ☒ RSC Filing ☐ O. Reg. 558/00 ☐ PWQO ☐ CCME ☐ SUB (Storm) ☐ SUB (Sanitary) Municipality: _____ Other: _____		

Matrix Type: S (Soil/Sed.) GW (Ground Water) SW (Surface Water) SS (Storm/Sanitary Sewer) P (Paint) A (Air) O (Other)

Required Analyses

Parcel Order Number: 2506346 (BULK)
AND 2506351 (TCLP)

Sample ID/Location Name		Matrix	Air Volume	# of Containers	Sample Taken		PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CvI	B (HWS)	O. Reg. 153 M&I			TCLP M&I	TCLP VOCs	TCLP BaP	TCLP Ignitability
					Date	Time														
1	DUPS-1	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
2	DUPS-3	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
3	DUPS-5	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
4	DUPS-6	S		2	3-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
5	DUPS-7	S		2	4-Feb-25	N/A	☒	☒	☒	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
6	TCLP-WD	S		2	5-Feb-25	N/A	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☒	☒	☒
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Comments: Use COC sample ID if difference between COC and soil jar

Method of Delivery:

Walk in

Relinquished By (Sign):	Received by Driver/Depot:	Received at Lab:	Verified By:
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb. 2025 10:10	Date/Time: Feb. 6/25 1400
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: -1.5 °C	pH Verified [] By:



CERTIFICATE OF ANALYSIS (GUIDELINE EVALUATION)

Work Order	: WT2505933		
Amendment	: 1		
Client	: WSP Canada Inc.	Laboratory	: ALS Environmental - Waterloo
Contact	: Cindy Mckee	Account Manager	: Gayle Braun
Address	: 11865 County Road 42	Address	: 60 Northland Road, Unit 1
	Tecumseh Ontario Canada N8N 0H1		Waterloo ON Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: CA0046126.8978	Date Samples Received	: 21-Mar-2025 13:45
PO	: P112898CA001	Date Analysis Commenced	: 23-Mar-2025
C-O-C number	: ----	Issue Date	: 31-Mar-2025 09:16
Sampler	: DS		
Site	: ----		
Quote number	: 2025 SOA Pricing		
No. of samples received	: 20		
No. of samples analysed	: 20		

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>
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Organics, Waterloo, Ontario
Kelly Fischer	Technical Specialist	Inorganics, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	VOC, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Metals, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Inorganics, Waterloo, Ontario



Summary of Guideline Breaches by Sample

SampleID/Client ID	Matrix	Analyte	Analyte Summary	Guideline	Category	Result	Limit
TRIP SPIKE 1	Water	Acetone		ON153/04	T3-NPGW-C-All	129.3 %	130000 µg/L
	Water	Benzene		ON153/04	T3-NPGW-C-All	104.22 %	44 µg/L
	Water	Bromodichloromethane		ON153/04	T3-NPGW-C-All	113.81 %	85000 µg/L
	Water	Bromoform		ON153/04	T3-NPGW-C-All	108.67 %	380 µg/L
	Water	Bromomethane		ON153/04	T3-NPGW-C-All	83.78 %	5.6 µg/L
	Water	Carbon tetrachloride		ON153/04	T3-NPGW-C-All	117.32 %	0.79 µg/L
	Water	Chlorobenzene		ON153/04	T3-NPGW-C-All	108.2 %	630 µg/L
	Water	Chloroform		ON153/04	T3-NPGW-C-All	117.66 %	2.4 µg/L
	Water	Dibromochloromethane		ON153/04	T3-NPGW-C-All	121.13 %	82000 µg/L
	Water	Dibromoethane, 1,2-		ON153/04	T3-NPGW-C-All	105.73 %	0.25 µg/L
	Water	Dichlorobenzene, 1,2-		ON153/04	T3-NPGW-C-All	99.63 %	4600 µg/L
	Water	Dichlorobenzene, 1,3-		ON153/04	T3-NPGW-C-All	98.76 %	9600 µg/L
	Water	Dichlorobenzene, 1,4-		ON153/04	T3-NPGW-C-All	96.7 %	8 µg/L
	Water	Dichlorodifluoromethane		ON153/04	T3-NPGW-C-All	69.67 %	4400 µg/L
	Water	Dichloroethane, 1,1-		ON153/04	T3-NPGW-C-All	110.29 %	320 µg/L
	Water	Dichloroethane, 1,2-		ON153/04	T3-NPGW-C-All	110.78 %	1.6 µg/L
	Water	Dichloroethylene, 1,1-		ON153/04	T3-NPGW-C-All	104.88 %	1.6 µg/L
	Water	Dichloroethylene, cis-1,2-		ON153/04	T3-NPGW-C-All	114.42 %	1.6 µg/L
	Water	Dichloroethylene, trans-1,2-		ON153/04	T3-NPGW-C-All	112.39 %	1.6 µg/L
	Water	Dichloromethane		ON153/04	T3-NPGW-C-All	113.24 %	610 µg/L
	Water	Dichloropropane, 1,2-		ON153/04	T3-NPGW-C-All	106.85 %	16 µg/L
	Water	Ethylbenzene		ON153/04	T3-NPGW-C-All	99.75 %	2300 µg/L
	Water	Hexane, n-		ON153/04	T3-NPGW-C-All	71.81 %	51 µg/L
	Water	Methyl ethyl ketone [MEK]		ON153/04	T3-NPGW-C-All	98.27 %	470000 µg/L
	Water	Methyl isobutyl ketone [MIBK]		ON153/04	T3-NPGW-C-All	99.96 %	140000 µg/L



Water	Methyl-tert-butyl ether [MTBE]	ON153/04	T3-NPGW-C-All	95.18 %	190 µg/L
Water	Styrene	ON153/04	T3-NPGW-C-All	103.27 %	1300 µg/L
Water	Tetrachloroethane, 1,1,1,2-	ON153/04	T3-NPGW-C-All	113.09 %	3.3 µg/L
Water	Tetrachloroethane, 1,1,2,2-	ON153/04	T3-NPGW-C-All	104.88 %	3.2 µg/L
Water	Tetrachloroethylene	ON153/04	T3-NPGW-C-All	109.63 %	1.6 µg/L
Water	Toluene	ON153/04	T3-NPGW-C-All	99.75 %	18000 µg/L
Water	Trichloroethane, 1,1,1-	ON153/04	T3-NPGW-C-All	111.05 %	640 µg/L
Water	Trichloroethane, 1,1,2-	ON153/04	T3-NPGW-C-All	103.59 %	4.7 µg/L
Water	Trichloroethylene	ON153/04	T3-NPGW-C-All	115.71 %	1.6 µg/L
Water	Trichlorofluoromethane	ON153/04	T3-NPGW-C-All	104.81 %	2500 µg/L
Water	Vinyl chloride	ON153/04	T3-NPGW-C-All	92.4 %	0.5 µg/L
Water	F1 (C6-C10)	ON153/04	T3-NPGW-C-All	69.5 %	750 µg/L
Water	Acetone	ON153/04	T3-NPGW-F-All	129.3 %	130000 µg/L
Water	Benzene	ON153/04	T3-NPGW-F-All	104.22 %	430 µg/L
Water	Bromodichloromethane	ON153/04	T3-NPGW-F-All	113.81 %	85000 µg/L
Water	Bromoform	ON153/04	T3-NPGW-F-All	108.67 %	770 µg/L
Water	Bromomethane	ON153/04	T3-NPGW-F-All	83.78 %	56 µg/L
Water	Carbon tetrachloride	ON153/04	T3-NPGW-F-All	117.32 %	8.4 µg/L
Water	Chlorobenzene	ON153/04	T3-NPGW-F-All	108.2 %	630 µg/L
Water	Chloroform	ON153/04	T3-NPGW-F-All	117.66 %	22 µg/L
Water	Dibromochloromethane	ON153/04	T3-NPGW-F-All	121.13 %	82000 µg/L
Water	Dibromoethane, 1,2-	ON153/04	T3-NPGW-F-All	105.73 %	0.83 µg/L
Water	Dichlorobenzene, 1,2-	ON153/04	T3-NPGW-F-All	99.63 %	9600 µg/L
Water	Dichlorobenzene, 1,3-	ON153/04	T3-NPGW-F-All	98.76 %	9600 µg/L
Water	Dichlorobenzene, 1,4-	ON153/04	T3-NPGW-F-All	96.7 %	67 µg/L
Water	Dichlorodifluoromethane	ON153/04	T3-NPGW-F-All	69.67 %	4400 µg/L
Water	Dichloroethane, 1,1-	ON153/04	T3-NPGW-F-All	110.29 %	3100 µg/L



Water	Dichloroethane, 1,2-	ON153/04	T3-NPGW-F-All	110.78 %	12 µg/L
Water	Dichloroethylene, 1,1-	ON153/04	T3-NPGW-F-All	104.88 %	17 µg/L
Water	Dichloroethylene, cis-1,2-	ON153/04	T3-NPGW-F-All	114.42 %	17 µg/L
Water	Dichloroethylene, trans-1,2-	ON153/04	T3-NPGW-F-All	112.39 %	17 µg/L
Water	Dichloromethane	ON153/04	T3-NPGW-F-All	113.24 %	5500 µg/L
Water	Dichloropropane, 1,2-	ON153/04	T3-NPGW-F-All	106.85 %	140 µg/L
Water	Ethylbenzene	ON153/04	T3-NPGW-F-All	99.75 %	2300 µg/L
Water	Hexane, n-	ON153/04	T3-NPGW-F-All	71.81 %	520 µg/L
Water	Methyl ethyl ketone [MEK]	ON153/04	T3-NPGW-F-All	98.27 %	1500000 µg/L
Water	Methyl isobutyl ketone [MIBK]	ON153/04	T3-NPGW-F-All	99.96 %	580000 µg/L
Water	Methyl-tert-butyl ether [MTBE]	ON153/04	T3-NPGW-F-All	95.18 %	1400 µg/L
Water	Styrene	ON153/04	T3-NPGW-F-All	103.27 %	9100 µg/L
Water	Tetrachloroethane, 1,1,1,2-	ON153/04	T3-NPGW-F-All	113.09 %	28 µg/L
Water	Tetrachloroethane, 1,1,2,2-	ON153/04	T3-NPGW-F-All	104.88 %	15 µg/L
Water	Tetrachloroethylene	ON153/04	T3-NPGW-F-All	109.63 %	17 µg/L
Water	Toluene	ON153/04	T3-NPGW-F-All	99.75 %	18000 µg/L
Water	Trichloroethane, 1,1,1-	ON153/04	T3-NPGW-F-All	111.05 %	6700 µg/L
Water	Trichloroethane, 1,1,2-	ON153/04	T3-NPGW-F-All	103.59 %	30 µg/L
Water	Trichloroethylene	ON153/04	T3-NPGW-F-All	115.71 %	17 µg/L
Water	Trichlorofluoromethane	ON153/04	T3-NPGW-F-All	104.81 %	2500 µg/L
Water	Vinyl chloride	ON153/04	T3-NPGW-F-All	92.4 %	1.7 µg/L
Water	F1 (C6-C10)	ON153/04	T3-NPGW-F-All	69.5 %	750 µg/L
Water	Acetone	ON153/04	T9-NPGW-All	129.3 %	100000 µg/L
Water	Benzene	ON153/04	T9-NPGW-All	104.22 %	44 µg/L
Water	Bromodichloromethane	ON153/04	T9-NPGW-All	113.81 %	67000 µg/L
Water	Bromoform	ON153/04	T9-NPGW-All	108.67 %	380 µg/L
Water	Bromomethane	ON153/04	T9-NPGW-All	83.78 %	5.6 µg/L



	Water	Carbon tetrachloride	ON153/04	T9-NPGW-AII	117.32 %	0.79 µg/L
	Water	Chlorobenzene	ON153/04	T9-NPGW-AII	108.2 %	500 µg/L
	Water	Chloroform	ON153/04	T9-NPGW-AII	117.66 %	2.4 µg/L
	Water	Dibromochloromethane	ON153/04	T9-NPGW-AII	121.13 %	65000 µg/L
	Water	Dibromoethane, 1,2-	ON153/04	T9-NPGW-AII	105.73 %	0.25 µg/L
	Water	Dichlorobenzene, 1,2-	ON153/04	T9-NPGW-AII	99.63 %	4600 µg/L
	Water	Dichlorobenzene, 1,3-	ON153/04	T9-NPGW-AII	98.76 %	7600 µg/L
	Water	Dichlorobenzene, 1,4-	ON153/04	T9-NPGW-AII	96.7 %	8 µg/L
	Water	Dichlorodifluoromethane	ON153/04	T9-NPGW-AII	69.67 %	3500 µg/L
	Water	Dichloroethane, 1,1-	ON153/04	T9-NPGW-AII	110.29 %	320 µg/L
	Water	Dichloroethane, 1,2-	ON153/04	T9-NPGW-AII	110.78 %	1.6 µg/L
	Water	Dichloroethylene, 1,1-	ON153/04	T9-NPGW-AII	104.88 %	1.6 µg/L
	Water	Dichloroethylene, cis-1,2-	ON153/04	T9-NPGW-AII	114.42 %	1.6 µg/L
	Water	Dichloroethylene, trans-1,2-	ON153/04	T9-NPGW-AII	112.39 %	1.6 µg/L
	Water	Dichloromethane	ON153/04	T9-NPGW-AII	113.24 %	610 µg/L
	Water	Dichloropropane, 1,2-	ON153/04	T9-NPGW-AII	106.85 %	16 µg/L
	Water	Ethylbenzene	ON153/04	T9-NPGW-AII	99.75 %	1800 µg/L
	Water	Hexane, n-	ON153/04	T9-NPGW-AII	71.81 %	51 µg/L
	Water	Methyl ethyl ketone [MEK]	ON153/04	T9-NPGW-AII	98.27 %	470000 µg/L
	Water	Methyl isobutyl ketone [MIBK]	ON153/04	T9-NPGW-AII	99.96 %	140000 µg/L
	Water	Methyl-tert-butyl ether [MTBE]	ON153/04	T9-NPGW-AII	95.18 %	190 µg/L
	Water	Styrene	ON153/04	T9-NPGW-AII	103.27 %	1300 µg/L
	Water	Tetrachloroethane, 1,1,1,2-	ON153/04	T9-NPGW-AII	113.09 %	3.4 µg/L
	Water	Tetrachloroethane, 1,1,2,2-	ON153/04	T9-NPGW-AII	104.88 %	3.2 µg/L
	Water	Tetrachloroethylene	ON153/04	T9-NPGW-AII	109.63 %	1.6 µg/L
	Water	Toluene	ON153/04	T9-NPGW-AII	99.75 %	14000 µg/L
	Water	Trichloroethane, 1,1,1-	ON153/04	T9-NPGW-AII	111.05 %	640 µg/L



	Water	Trichloroethane, 1,1,2-		ON153/04	T9-NPGW-All	103.59 %	4.7 µg/L
	Water	Trichloroethylene		ON153/04	T9-NPGW-All	115.71 %	1.6 µg/L
	Water	Trichlorofluoromethane		ON153/04	T9-NPGW-All	104.81 %	2000 µg/L
	Water	Vinyl chloride		ON153/04	T9-NPGW-All	92.4 %	0.5 µg/L
	Water	F1 (C6-C10)		ON153/04	T9-NPGW-All	69.5 %	420 µg/L
TRIP SPIKE 2	Water	Acetone		ON153/04	T3-NPGW-C-All	115.29 %	130000 µg/L
	Water	Benzene		ON153/04	T3-NPGW-C-All	103.96 %	44 µg/L
	Water	Bromodichloromethane		ON153/04	T3-NPGW-C-All	110.53 %	85000 µg/L
	Water	Bromoform		ON153/04	T3-NPGW-C-All	104.1 %	380 µg/L
	Water	Bromomethane		ON153/04	T3-NPGW-C-All	84.39 %	5.6 µg/L
	Water	Carbon tetrachloride		ON153/04	T3-NPGW-C-All	120.36 %	0.79 µg/L
	Water	Chlorobenzene		ON153/04	T3-NPGW-C-All	107.67 %	630 µg/L
	Water	Chloroform		ON153/04	T3-NPGW-C-All	116.82 %	2.4 µg/L
	Water	Dibromochloromethane		ON153/04	T3-NPGW-C-All	115.61 %	82000 µg/L
	Water	Dibromoethane, 1,2-		ON153/04	T3-NPGW-C-All	98.81 %	0.25 µg/L
	Water	Dichlorobenzene, 1,2-		ON153/04	T3-NPGW-C-All	98.95 %	4600 µg/L
	Water	Dichlorobenzene, 1,3-		ON153/04	T3-NPGW-C-All	100.42 %	9600 µg/L
	Water	Dichlorobenzene, 1,4-		ON153/04	T3-NPGW-C-All	97.88 %	8 µg/L
	Water	Dichlorodifluoromethane		ON153/04	T3-NPGW-C-All	76.29 %	4400 µg/L
	Water	Dichloroethane, 1,1-		ON153/04	T3-NPGW-C-All	94.46 %	320 µg/L
	Water	Dichloroethane, 1,2-		ON153/04	T3-NPGW-C-All	104.7 %	1.6 µg/L
	Water	Dichloroethylene, 1,1-		ON153/04	T3-NPGW-C-All	107.92 %	1.6 µg/L
	Water	Dichloroethylene, cis-1,2-		ON153/04	T3-NPGW-C-All	113.37 %	1.6 µg/L
	Water	Dichloroethylene, trans-1,2-		ON153/04	T3-NPGW-C-All	114.19 %	1.6 µg/L
	Water	Dichloromethane		ON153/04	T3-NPGW-C-All	110.69 %	610 µg/L
	Water	Dichloropropane, 1,2-		ON153/04	T3-NPGW-C-All	104.03 %	16 µg/L
	Water	Ethylbenzene		ON153/04	T3-NPGW-C-All	100.96 %	2300 µg/L



	Water	Hexane, n-	ON153/04	T3-NPGW-C-All	61.04 %	51 µg/L
	Water	Methyl ethyl ketone [MEK]	ON153/04	T3-NPGW-C-All	86.67 %	470000 µg/L
	Water	Methyl isobutyl ketone [MIBK]	ON153/04	T3-NPGW-C-All	87.35 %	140000 µg/L
	Water	Methyl-tert-butyl ether [MTBE]	ON153/04	T3-NPGW-C-All	95.06 %	190 µg/L
	Water	Styrene	ON153/04	T3-NPGW-C-All	101.23 %	1300 µg/L
	Water	Tetrachloroethane, 1,1,1,2-	ON153/04	T3-NPGW-C-All	111.15 %	3.3 µg/L
	Water	Tetrachloroethane, 1,1,2,2-	ON153/04	T3-NPGW-C-All	98.98 %	3.2 µg/L
	Water	Tetrachloroethylene	ON153/04	T3-NPGW-C-All	113.38 %	1.6 µg/L
	Water	Toluene	ON153/04	T3-NPGW-C-All	100.74 %	18000 µg/L
	Water	Trichloroethane, 1,1,1-	ON153/04	T3-NPGW-C-All	113.5 %	640 µg/L
	Water	Trichloroethane, 1,1,2-	ON153/04	T3-NPGW-C-All	98.19 %	4.7 µg/L
	Water	Trichloroethylene	ON153/04	T3-NPGW-C-All	117.81 %	1.6 µg/L
	Water	Trichlorofluoromethane	ON153/04	T3-NPGW-C-All	109.6 %	2500 µg/L
	Water	Vinyl chloride	ON153/04	T3-NPGW-C-All	96.35 %	0.5 µg/L
	Water	F1 (C6-C10)	ON153/04	T3-NPGW-C-All	71.1 %	750 µg/L
	Water	Acetone	ON153/04	T3-NPGW-F-All	115.29 %	130000 µg/L
	Water	Benzene	ON153/04	T3-NPGW-F-All	103.96 %	430 µg/L
	Water	Bromodichloromethane	ON153/04	T3-NPGW-F-All	110.53 %	85000 µg/L
	Water	Bromoform	ON153/04	T3-NPGW-F-All	104.1 %	770 µg/L
	Water	Bromomethane	ON153/04	T3-NPGW-F-All	84.39 %	56 µg/L
	Water	Carbon tetrachloride	ON153/04	T3-NPGW-F-All	120.36 %	8.4 µg/L
	Water	Chlorobenzene	ON153/04	T3-NPGW-F-All	107.67 %	630 µg/L
	Water	Chloroform	ON153/04	T3-NPGW-F-All	116.82 %	22 µg/L
	Water	Dibromochloromethane	ON153/04	T3-NPGW-F-All	115.61 %	82000 µg/L
	Water	Dibromoethane, 1,2-	ON153/04	T3-NPGW-F-All	98.81 %	0.83 µg/L
	Water	Dichlorobenzene, 1,2-	ON153/04	T3-NPGW-F-All	98.95 %	9600 µg/L
	Water	Dichlorobenzene, 1,3-	ON153/04	T3-NPGW-F-All	100.42 %	9600 µg/L



	Water	Dichlorobenzene, 1,4-	ON153/04	T3-NPGW-F-All	97.88 %	67 µg/L
	Water	Dichlorodifluoromethane	ON153/04	T3-NPGW-F-All	76.29 %	4400 µg/L
	Water	Dichloroethane, 1,1-	ON153/04	T3-NPGW-F-All	94.46 %	3100 µg/L
	Water	Dichloroethane, 1,2-	ON153/04	T3-NPGW-F-All	104.7 %	12 µg/L
	Water	Dichloroethylene, 1,1-	ON153/04	T3-NPGW-F-All	107.92 %	17 µg/L
	Water	Dichloroethylene, cis-1,2-	ON153/04	T3-NPGW-F-All	113.37 %	17 µg/L
	Water	Dichloroethylene, trans-1,2-	ON153/04	T3-NPGW-F-All	114.19 %	17 µg/L
	Water	Dichloromethane	ON153/04	T3-NPGW-F-All	110.69 %	5500 µg/L
	Water	Dichloropropane, 1,2-	ON153/04	T3-NPGW-F-All	104.03 %	140 µg/L
	Water	Ethylbenzene	ON153/04	T3-NPGW-F-All	100.96 %	2300 µg/L
	Water	Hexane, n-	ON153/04	T3-NPGW-F-All	61.04 %	520 µg/L
	Water	Methyl ethyl ketone [MEK]	ON153/04	T3-NPGW-F-All	86.67 %	1500000 µg/L
	Water	Methyl isobutyl ketone [MIBK]	ON153/04	T3-NPGW-F-All	87.35 %	580000 µg/L
	Water	Methyl-tert-butyl ether [MTBE]	ON153/04	T3-NPGW-F-All	95.06 %	1400 µg/L
	Water	Styrene	ON153/04	T3-NPGW-F-All	101.23 %	9100 µg/L
	Water	Tetrachloroethane, 1,1,1,2-	ON153/04	T3-NPGW-F-All	111.15 %	28 µg/L
	Water	Tetrachloroethane, 1,1,2,2-	ON153/04	T3-NPGW-F-All	98.98 %	15 µg/L
	Water	Tetrachloroethylene	ON153/04	T3-NPGW-F-All	113.38 %	17 µg/L
	Water	Toluene	ON153/04	T3-NPGW-F-All	100.74 %	18000 µg/L
	Water	Trichloroethane, 1,1,1-	ON153/04	T3-NPGW-F-All	113.5 %	6700 µg/L
	Water	Trichloroethane, 1,1,2-	ON153/04	T3-NPGW-F-All	98.19 %	30 µg/L
	Water	Trichloroethylene	ON153/04	T3-NPGW-F-All	117.81 %	17 µg/L
	Water	Trichlorofluoromethane	ON153/04	T3-NPGW-F-All	109.6 %	2500 µg/L
	Water	Vinyl chloride	ON153/04	T3-NPGW-F-All	96.35 %	1.7 µg/L
	Water	F1 (C6-C10)	ON153/04	T3-NPGW-F-All	71.1 %	750 µg/L
	Water	Acetone	ON153/04	T9-NPGW-All	115.29 %	100000 µg/L
	Water	Benzene	ON153/04	T9-NPGW-All	103.96 %	44 µg/L



	Water	Bromodichloromethane	ON153/04	T9-NPGW-AII	110.53 %	67000 µg/L
	Water	Bromoform	ON153/04	T9-NPGW-AII	104.1 %	380 µg/L
	Water	Bromomethane	ON153/04	T9-NPGW-AII	84.39 %	5.6 µg/L
	Water	Carbon tetrachloride	ON153/04	T9-NPGW-AII	120.36 %	0.79 µg/L
	Water	Chlorobenzene	ON153/04	T9-NPGW-AII	107.67 %	500 µg/L
	Water	Chloroform	ON153/04	T9-NPGW-AII	116.82 %	2.4 µg/L
	Water	Dibromochloromethane	ON153/04	T9-NPGW-AII	115.61 %	65000 µg/L
	Water	Dibromoethane, 1,2-	ON153/04	T9-NPGW-AII	98.81 %	0.25 µg/L
	Water	Dichlorobenzene, 1,2-	ON153/04	T9-NPGW-AII	98.95 %	4600 µg/L
	Water	Dichlorobenzene, 1,3-	ON153/04	T9-NPGW-AII	100.42 %	7600 µg/L
	Water	Dichlorobenzene, 1,4-	ON153/04	T9-NPGW-AII	97.88 %	8 µg/L
	Water	Dichlorodifluoromethane	ON153/04	T9-NPGW-AII	76.29 %	3500 µg/L
	Water	Dichloroethane, 1,1-	ON153/04	T9-NPGW-AII	94.46 %	320 µg/L
	Water	Dichloroethane, 1,2-	ON153/04	T9-NPGW-AII	104.7 %	1.6 µg/L
	Water	Dichloroethylene, 1,1-	ON153/04	T9-NPGW-AII	107.92 %	1.6 µg/L
	Water	Dichloroethylene, cis-1,2-	ON153/04	T9-NPGW-AII	113.37 %	1.6 µg/L
	Water	Dichloroethylene, trans-1,2-	ON153/04	T9-NPGW-AII	114.19 %	1.6 µg/L
	Water	Dichloromethane	ON153/04	T9-NPGW-AII	110.69 %	610 µg/L
	Water	Dichloropropane, 1,2-	ON153/04	T9-NPGW-AII	104.03 %	16 µg/L
	Water	Ethylbenzene	ON153/04	T9-NPGW-AII	100.96 %	1800 µg/L
	Water	Hexane, n-	ON153/04	T9-NPGW-AII	61.04 %	51 µg/L
	Water	Methyl ethyl ketone [MEK]	ON153/04	T9-NPGW-AII	86.67 %	470000 µg/L
	Water	Methyl isobutyl ketone [MIBK]	ON153/04	T9-NPGW-AII	87.35 %	140000 µg/L
	Water	Methyl-tert-butyl ether [MTBE]	ON153/04	T9-NPGW-AII	95.06 %	190 µg/L
	Water	Styrene	ON153/04	T9-NPGW-AII	101.23 %	1300 µg/L
	Water	Tetrachloroethane, 1,1,1,2-	ON153/04	T9-NPGW-AII	111.15 %	3.4 µg/L
	Water	Tetrachloroethane, 1,1,2,2-	ON153/04	T9-NPGW-AII	98.98 %	3.2 µg/L



	Water	Tetrachloroethylene		ON153/04	T9-NPGW-All	113.38 %	1.6 µg/L
	Water	Toluene		ON153/04	T9-NPGW-All	100.74 %	14000 µg/L
	Water	Trichloroethane, 1,1,1-		ON153/04	T9-NPGW-All	113.5 %	640 µg/L
	Water	Trichloroethane, 1,1,2-		ON153/04	T9-NPGW-All	98.19 %	4.7 µg/L
	Water	Trichloroethylene		ON153/04	T9-NPGW-All	117.81 %	1.6 µg/L
	Water	Trichlorofluoromethane		ON153/04	T9-NPGW-All	109.6 %	2000 µg/L
	Water	Vinyl chloride		ON153/04	T9-NPGW-All	96.35 %	0.5 µg/L
	Water	F1 (C6-C10)		ON153/04	T9-NPGW-All	71.1 %	420 µg/L



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.

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: LOR: Limit of Reporting (detection limit).

Unit	Description
-	no units
%	percent
mS/cm	millisiemens per centimetre
pH units	pH units
µg/L	micrograms per litre

>: 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.

Workorder Comments

Field Blank 2: Two (2) vials not received at laboratory, but requested on Chain of Custody / analytical request form; subsample cannot be obtained from other containers to meet request. The requested analysis cannot be performed.

Amendment (31/03/2025): This report has been amended to include requested guideline(s). All analysis results are as per the previous report.



Qualifiers

Qualifier	Description
DLDS	Detection Limit Raised: Dilution required due to high Dissolved Solids / Electrical Conductivity.
DLHC	Detection Limit Raised: Dilution required due to high concentration of test analyte(s).
DLM	Detection Limit Adjusted due to sample matrix effects (e.g. chemical interference, colour, turbidity).
RRV	Reported result verified by repeat analysis.
VPDW	Visible particulate observed in Dissolved fraction of field preserved water sample (may represent post-sampling precipitation or filtration issue). Analyzed as submitted



Analytical Results Evaluation

Matrix: Water				Client sample ID	MW1	MW2	MW3	MW4	MW5	MW6	MW7
Client sampling date / time					19-Mar-2025 12:30	19-Mar-2025 13:05	19-Mar-2025 13:45	19-Mar-2025 14:15	19-Mar-2025 14:45	20-Mar-2025 08:15	20-Mar-2025 09:15
Sub-Matrix					Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit		WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007
					Result	Result	Result	Result	Result	Result	Result
Physical Tests											
Conductivity	----	E100/WT	mS/cm		2.33	2.02	1.62	1.58	2.75	3.87	2.65
pH	----	E108/WT	pH units		7.69	7.78	7.82	7.85	7.85	7.53	8.01
Anions and Nutrients											
Chloride	16887-00-6	E235.Cl/WT	µg/L		339000 ^{DLDS}	303000 ^{DLDS}	39600 ^{DLDS}	148000 ^{DLDS}	105000 ^{DLDS}	48700 ^{DLDS}	30300 ^{DLDS}
Cyanides											
Cyanide, weak acid dissociable	----	E336/WT	µg/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Metals											
Antimony, dissolved	7440-36-0	E421/WT	µg/L		1.02 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}	0.51	<1.00 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}
Arsenic, dissolved	7440-38-2	E421/WT	µg/L		<1.00 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}	0.43	1.98 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}
Barium, dissolved	7440-39-3	E421/WT	µg/L		41.7 ^{DLHC}	50.5 ^{DLHC}	32.6 ^{DLHC}	59.3	33.0 ^{DLHC}	24.4 ^{DLHC}	38.1 ^{DLHC}
Beryllium, dissolved	7440-41-7	E421/WT	µg/L		<0.200 ^{DLHC}	<0.200 ^{DLHC}	<0.200 ^{DLHC}	<0.020	<0.200 ^{DLHC}	<0.200 ^{DLHC}	<0.200 ^{DLHC}
Boron, dissolved	7440-42-8	E421/WT	µg/L		445 ^{DLHC}	274 ^{DLHC}	469 ^{DLHC}	191	392 ^{DLHC}	480 ^{DLHC}	424 ^{DLHC}
Cadmium, dissolved	7440-43-9	E421/WT	µg/L		0.116 ^{DLHC}	0.100 ^{DLHC}	0.0750 ^{DLHC}	0.112	<0.0500 ^{DLHC}	0.106 ^{DLHC}	0.0680 ^{DLHC}
Chromium, dissolved	7440-47-3	E421/WT	µg/L		<5.00 ^{DLHC}	<5.00 ^{DLHC}	<5.00 ^{DLHC}	<0.50	<5.00 ^{DLHC}	<5.00 ^{DLHC}	<5.00 ^{DLHC}
Cobalt, dissolved	7440-48-4	E421/WT	µg/L		2.49 ^{DLHC}	11.6 ^{DLHC}	6.05 ^{DLHC}	8.34	11.9 ^{DLHC}	10.9 ^{DLHC}	<1.00 ^{DLHC}
Copper, dissolved	7440-50-8	E421/WT	µg/L		<2.00 ^{DLHC}	<2.00 ^{DLHC}	<2.00 ^{DLHC}	4.57	<2.00 ^{DLHC}	<2.00 ^{DLHC}	2.76 ^{DLHC}
Lead, dissolved	7439-92-1	E421/WT	µg/L		<0.500 ^{DLHC}	<0.500 ^{DLHC}	<0.500 ^{DLHC}	<0.050	<0.500 ^{DLHC}	<0.500 ^{DLHC}	<0.500 ^{DLHC}
Mercury, dissolved	7439-97-6	E509/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Molybdenum, dissolved	7439-98-7	E421/WT	µg/L		35.3 ^{DLHC}	34.7 ^{DLHC}	42.4 ^{DLHC}	8.41	22.2 ^{DLHC}	29.0 ^{DLHC}	35.8 ^{DLHC}



Matrix: Water				Client sample ID	MW1	MW2	MW3	MW4	MW5	MW6	MW7
Client sampling date / time					19-Mar-2025 12:30	19-Mar-2025 13:05	19-Mar-2025 13:45	19-Mar-2025 14:15	19-Mar-2025 14:45	20-Mar-2025 08:15	20-Mar-2025 09:15
Sub-Matrix					Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit		WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007
					Result	Result	Result	Result	Result	Result	Result
Dissolved Metals											
Nickel, dissolved	7440-02-0	E421/WT	µg/L		17.6 DLHC	10.7 DLHC	9.88 DLHC	6.76	19.8 DLHC	29.0 DLHC	13.1 DLHC
Selenium, dissolved	7782-49-2	E421/WT	µg/L		4.74 DLHC	1.04 DLHC	2.73 DLHC	0.704	1.31 DLHC	1.63 DLHC	2.96 DLHC
Silver, dissolved	7440-22-4	E421/WT	µg/L		<0.100 DLHC	<0.100 DLHC	<0.100 DLHC	<0.010	<0.100 DLHC	<0.100 DLHC	<0.100 DLHC
Sodium, dissolved	7440-23-5	E421/WT	µg/L		72400 DLHC	93400 DLHC	67000 DLHC	65000	91300 DLHC	141000 DLHC	94700 DLHC
Thallium, dissolved	7440-28-0	E421/WT	µg/L		<0.100 DLHC	<0.100 DLHC	<0.100 DLHC	0.022	<0.100 DLHC	<0.100 DLHC	<0.100 DLHC
Uranium, dissolved	7440-61-1	E421/WT	µg/L		18.3 DLHC	18.1 DLHC	13.4 DLHC	15.8	19.4 DLHC	28.4 DLHC	21.1 DLHC
Vanadium, dissolved	7440-62-2	E421/WT	µg/L		<5.00 DLHC	<5.00 DLHC	<5.00 DLHC	<0.50	<5.00 DLHC	<5.00 DLHC	<5.00 DLHC
Zinc, dissolved	7440-66-6	E421/WT	µg/L		<10.0 DLHC	13.4 DLHC	<10.0 DLHC	4.3	10.1 DLHC	<10.0 DLHC	<10.0 DLHC
Dissolved mercury filtration location	----	EP509/WT	-		Field	Field	Field	Field	Field	Field	Field
Dissolved metals filtration location	----	EP421/WT	-		Field	Field	Field	Field	Field	Field	Field
Speciated Metals											
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A/WT	µg/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Volatile Organic Compounds											
Acetone	67-64-1	E611D/WT	µg/L		<20	<20	<20	<20	<20	<20	<20
Benzene	71-43-2	E611D/WT	µg/L		<0.50	8.69	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	75-27-4	E611D/WT	µg/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	75-25-2	E611D/WT	µg/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	74-83-9	E611D/WT	µg/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	56-23-5	E611D/WT	µg/L		<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	108-90-7	E611D/WT	µg/L		<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50



Matrix: Water

Client sample ID				MW1	MW2	MW3	MW4	MW5	MW6	MW7
Client sampling date / time				19-Mar-2025 12:30	19-Mar-2025 13:05	19-Mar-2025 13:45	19-Mar-2025 14:15	19-Mar-2025 14:45	20-Mar-2025 08:15	20-Mar-2025 09:15
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007
				Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
Chloroform	67-66-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromochloromethane	124-48-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromoethane, 1,2-	106-93-4	E611D/WT	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobenzene, 1,2-	95-50-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,3-	541-73-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,4-	106-46-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	75-71-8	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethane, 1,1-	75-34-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethane, 1,2-	107-06-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, 1,1-	75-35-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, cis-1,2-	156-59-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, trans-1,2-	156-60-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloromethane	75-09-2	E611D/WT	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloropropane, 1,2-	78-87-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropylene, cis-1,3-	10061-01-5	E611D/WT	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dichloropropylene, cis+trans-1,3-	542-75-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropylene, trans-1,3-	10061-02-6	E611D/WT	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	100-41-4	E611D/WT	µg/L	<0.50	8.96	<0.50	<0.50	<0.50	<0.50	<0.50
Hexane, n-	110-54-3	E611D/WT	µg/L	<0.50	0.81	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl ethyl ketone [MEK]	78-93-3	E611D/WT	µg/L	<20	<20	<20	<20	<20	<20	<20



Matrix: Water

Client sample ID				MW1	MW2	MW3	MW4	MW5	MW6	MW7
Client sampling date / time				19-Mar-2025 12:30	19-Mar-2025 13:05	19-Mar-2025 13:45	19-Mar-2025 14:15	19-Mar-2025 14:45	20-Mar-2025 08:15	20-Mar-2025 09:15
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007
				Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
Methyl isobutyl ketone [MIBK]	108-10-1	E611D/WT	µg/L	<20	<20	<20	<20	<20	<20	<20
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100-42-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	127-18-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	108-88-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethane, 1,1,1-	71-55-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethane, 1,1,2-	79-00-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	79-01-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	75-69-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl chloride	75-01-4	E611D/WT	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m+p-	179601-23-1	E611D/WT	µg/L	<0.40	0.41	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene, o-	95-47-6	E611D/WT	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes, total	1330-20-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
BTEX, total	----	E611D/WT	µg/L	<1.0	18.1	<1.0	<1.0	<1.0	<1.0	<1.0
Hydrocarbons										
F1 (C6-C10)	----	E581.F1-L/WT	µg/L	<25	84	<25	<25	<25	<25	<25
F2 (C10-C16)	----	E601.SG/WT	µg/L	<100	<100	<100	<100	<100	<100	<100
F2-Naphthalene	----	EC600SG/WT	µg/L	<100	<100	<100	<100	<100	<100	<100



Matrix: Water				Client sample ID	MW1	MW2	MW3	MW4	MW5	MW6	MW7
				Client sampling date / time	19-Mar-2025 12:30	19-Mar-2025 13:05	19-Mar-2025 13:45	19-Mar-2025 14:15	19-Mar-2025 14:45	20-Mar-2025 08:15	20-Mar-2025 09:15
				Sub-Matrix	Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit		WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007
					Result	Result	Result	Result	Result	Result	Result
Hydrocarbons											
F3 (C16-C34)	----	E601.SG/WT	µg/L		<250	<250	<250	<250	<250	<250	<250
F3-PAH	n/a	EC600SG/WT	µg/L		<250	<250	<250	<250	<250	<250	<250
F4 (C34-C50)	----	E601.SG/WT	µg/L		<250	<250	<250	<250	<250	<250	<250
F1-BTEX	----	EC580/WT	µg/L		<25	66	<25	<25	<25	<25	<25
Hydrocarbons, total (C6-C50)	n/a	EC581SG/WT	µg/L		<370	<370	<370	<370	<370	<370	<370
Chromatogram to baseline at nC50	n/a	E601.SG/WT	-		YES	YES	YES	YES	YES	YES	YES
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WT	%		90.3	99.1	91.8	95.7	100	98.0	96.8
Dichlorotoluene, 3,4-	95-75-0	E581.F1-L/WT	%		96.4	93.6	97.7	93.4	92.0	92.8	93.1
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611D/WT	%		92.2	91.9	92.0	91.4	90.9	91.3	92.0
Difluorobenzene, 1,4-	540-36-3	E611D/WT	%		96.8	95.8	96.7	96.6	96.9	96.4	96.6
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	208-96-8	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	120-12-7	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benz(a)anthracene	56-55-3	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	50-32-8	E641A/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(b+j)fluoranthene	n/a	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(g,h,i)perylene	191-24-2	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010



Matrix: Water				Client sample ID	MW1	MW2	MW3	MW4	MW5	MW6	MW7
Client sampling date / time					19-Mar-2025 12:30	19-Mar-2025 13:05	19-Mar-2025 13:45	19-Mar-2025 14:15	19-Mar-2025 14:45	20-Mar-2025 08:15	20-Mar-2025 09:15
Sub-Matrix					Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit		WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007
					Result	Result	Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons											
Benzo(k)fluoranthene	207-08-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Chrysene	218-01-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	53-70-3	E641A/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoranthene	206-44-0	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	86-73-7	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 1-	90-12-0	E641A/WT	µg/L		<0.010	0.132	<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 1+2-	----	E641A/WT	µg/L		<0.015	0.237	<0.015	<0.015	<0.015	<0.015	<0.015
Methylnaphthalene, 2-	91-57-6	E641A/WT	µg/L		<0.010	0.105	<0.010	<0.010	<0.010	<0.010	<0.010
Naphthalene	91-20-3	E641A/WT	µg/L		<0.050	<0.600 ^{DLM}	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	85-01-8	E641A/WT	µg/L		<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Pyrene	129-00-0	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Polycyclic Aromatic Hydrocarbons Surrogates											
Chrysene-d12	1719-03-5	E641A/WT	%		87.2	97.8	93.8	92.6	94.1	91.6	92.3
Naphthalene-d8	1146-65-2	E641A/WT	%		112	111	111	113	112	112	114
Phenanthrene-d10	1517-22-2	E641A/WT	%		102	109	107	108	110	110	109

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



Matrix: Water				Client sample ID	MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time					20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix					Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit		WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
					Result	Result	Result	Result	Result	Result	Result
Physical Tests											
Conductivity	----	E100/WT	mS/cm		3.45	1.57	0.693	2.98	3.09	2.05	3.04
pH	----	E108/WT	pH units		8.02	11.99 ^{RRV}	7.56	7.65	7.77	7.56	7.45
Anions and Nutrients											
Chloride	16887-00-6	E235.Cl/WT	µg/L		31600 ^{DLDS}	59900 ^{DLDS}	36200 ^{DLDS}	763000 ^{DLDS}	14100 ^{DLDS}	7270 ^{DLDS}	753000 ^{DLDS}
Cyanides											
Cyanide, weak acid dissociable	----	E336/WT	µg/L		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
Dissolved Metals											
Antimony, dissolved	7440-36-0	E421/WT	µg/L		<1.00 ^{DLHC}	2.23 ^{DLHC}	<0.10	<1.00 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}
Arsenic, dissolved	7440-38-2	E421/WT	µg/L		<1.00 ^{DLHC}	18.6 ^{DLHC}	3.07	<1.00 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}	<1.00 ^{DLHC}
Barium, dissolved	7440-39-3	E421/WT	µg/L		29.7 ^{DLHC}	557 ^{DLHC}	52.0	125 ^{DLHC}	26.0 ^{DLHC}	26.6 ^{DLHC}	123 ^{DLHC}
Beryllium, dissolved	7440-41-7	E421/WT	µg/L		<0.200 ^{DLHC}	<0.200 ^{DLHC}	<0.020	<0.200 ^{DLHC}	<0.200 ^{DLHC}	<0.200 ^{DLHC}	<0.200 ^{DLHC}
Boron, dissolved	7440-42-8	E421/WT	µg/L		509 ^{DLHC}	<100 ^{DLHC}	48	<100 ^{DLHC}	525 ^{DLHC}	453 ^{DLHC}	<100 ^{DLHC}
Cadmium, dissolved	7440-43-9	E421/WT	µg/L		0.160 ^{DLHC}	0.238 ^{DLHC}	<0.0050	0.0870 ^{DLHC}	0.135 ^{DLHC}	0.0670 ^{DLHC}	0.0560 ^{DLHC}
Chromium, dissolved	7440-47-3	E421/WT	µg/L		<5.00 ^{DLHC}	<5.00 ^{DLHC}	<0.50	<5.00 ^{DLHC}	<5.00 ^{DLHC}	<5.00 ^{DLHC}	<5.00 ^{DLHC}
Cobalt, dissolved	7440-48-4	E421/WT	µg/L		13.0 ^{DLHC}	2.14 ^{DLHC}	0.15	2.91 ^{DLHC}	4.59 ^{DLHC}	5.55 ^{DLHC}	2.79 ^{DLHC}
Copper, dissolved	7440-50-8	E421/WT	µg/L		2.48 ^{DLHC}	6.37 ^{DLHC}	<0.20	<2.00 ^{DLHC}	<2.00 ^{DLHC}	<2.00 ^{DLHC}	<2.00 ^{DLHC}
Lead, dissolved	7439-92-1	E421/WT	µg/L		<0.500 ^{DLHC}	0.733 ^{DLHC}	<0.050	<0.500 ^{DLHC}	<0.500 ^{DLHC}	<0.500 ^{DLHC}	<0.500 ^{DLHC}
Mercury, dissolved	7439-97-6	E509/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050 ^{VPDW}	<0.0050	<0.0050	<0.0050 ^{VPDW}
Molybdenum, dissolved	7439-98-7	E421/WT	µg/L		22.1 ^{DLHC}	1260 ^{DLHC}	4.05	20.0 ^{DLHC}	23.2 ^{DLHC}	28.6 ^{DLHC}	20.0 ^{DLHC}
Nickel, dissolved	7440-02-0	E421/WT	µg/L		25.7 ^{DLHC}	28.6 ^{DLHC}	0.56	<5.00 ^{DLHC}	34.4 ^{DLHC}	18.0 ^{DLHC}	<5.00 ^{DLHC}



Matrix: Water

Client sample ID				MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time				20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
				Result	Result	Result	Result	Result	Result	Result
Dissolved Metals										
Selenium, dissolved	7782-49-2	E421/WT	µg/L	2.52 DLHC	42.4 DLHC	0.114	<0.500 DLHC	3.84 DLHC	1.96 DLHC	<0.500 DLHC
Silver, dissolved	7440-22-4	E421/WT	µg/L	<0.100 DLHC	<0.100 DLHC	<0.010	<0.100 DLHC	<0.100 DLHC	<0.100 DLHC	<0.100 DLHC
Sodium, dissolved	7440-23-5	E421/WT	µg/L	124000 DLHC	485000 DLHC	21300	146000 DLHC	78800 DLHC	64500 DLHC	141000 DLHC
Thallium, dissolved	7440-28-0	E421/WT	µg/L	<0.100 DLHC	<0.100 DLHC	<0.010	<0.100 DLHC	<0.100 DLHC	<0.100 DLHC	<0.100 DLHC
Uranium, dissolved	7440-61-1	E421/WT	µg/L	29.0 DLHC	<0.100 DLHC	0.118	1.98 DLHC	44.9 DLHC	22.6 DLHC	1.91 DLHC
Vanadium, dissolved	7440-62-2	E421/WT	µg/L	<5.00 DLHC	11.7 DLHC	<0.50	<5.00 DLHC	<5.00 DLHC	<5.00 DLHC	<5.00 DLHC
Zinc, dissolved	7440-66-6	E421/WT	µg/L	14.3 DLHC	<10.0 DLHC	<1.0	<10.0 DLHC	<10.0 DLHC	<10.0 DLHC	<10.0 DLHC
Dissolved mercury filtration location	----	EP509/WT	-	Field	Field	Field	Field	Field	Field	Field
Dissolved metals filtration location	----	EP421/WT	-	Field	Field	Field	Field	Field	Field	Field
Speciated Metals										
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Volatile Organic Compounds										
Acetone	67-64-1	E611D/WT	µg/L	<20	<20	<20	<20	<20	<20	<20
Benzene	71-43-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromodichloromethane	75-27-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromoform	75-25-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Bromomethane	74-83-9	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Carbon tetrachloride	56-23-5	E611D/WT	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Chlorobenzene	108-90-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Chloroform	67-66-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50



Matrix: Water

Client sample ID				MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time				20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
				Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
Dibromochloromethane	124-48-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dibromoethane, 1,2-	106-93-4	E611D/WT	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Dichlorobenzene, 1,2-	95-50-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,3-	541-73-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorobenzene, 1,4-	106-46-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichlorodifluoromethane	75-71-8	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethane, 1,1-	75-34-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethane, 1,2-	107-06-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, 1,1-	75-35-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, cis-1,2-	156-59-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloroethylene, trans-1,2-	156-60-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloromethane	75-09-2	E611D/WT	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Dichloropropane, 1,2-	78-87-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropylene, cis-1,3-	10061-01-5	E611D/WT	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Dichloropropylene, cis+trans-1,3-	542-75-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Dichloropropylene, trans-1,3-	10061-02-6	E611D/WT	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Ethylbenzene	100-41-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Hexane, n-	110-54-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Methyl ethyl ketone [MEK]	78-93-3	E611D/WT	µg/L	<20	<20	<20	<20	<20	<20	<20
Methyl isobutyl ketone [MIBK]	108-10-1	E611D/WT	µg/L	<20	<20	<20	<20	<20	<20	<20



Matrix: Water

Client sample ID				MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time				20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
				Result	Result	Result	Result	Result	Result	Result
Volatile Organic Compounds										
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Styrene	100-42-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Tetrachloroethylene	127-18-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Toluene	108-88-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethane, 1,1,1-	71-55-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethane, 1,1,2-	79-00-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichloroethylene	79-01-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Trichlorofluoromethane	75-69-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
Vinyl chloride	75-01-4	E611D/WT	µg/L	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Xylene, m+p-	179601-23-1	E611D/WT	µg/L	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Xylene, o-	95-47-6	E611D/WT	µg/L	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30
Xylenes, total	1330-20-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
BTEX, total	----	E611D/WT	µg/L	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Hydrocarbons										
F1 (C6-C10)	----	E581.F1-L/WT	µg/L	<25	<25	<25	<25	<25	<25	<25
F2 (C10-C16)	----	E601.SG/WT	µg/L	<100	<100	<100	<100	<100	<100	<100
F2-Naphthalene	----	EC600SG/WT	µg/L	<100	<100	<100	<100	<100	<100	<100
F3 (C16-C34)	----	E601.SG/WT	µg/L	<250	<250	<250	<250	<250	<250	<250



Matrix: Water				Client sample ID	MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time					20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix					Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit		WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
					Result	Result	Result	Result	Result	Result	Result
Hydrocarbons											
F3-PAH	n/a	EC600SG/WT	µg/L		<250	<250	<250	<250	<250	<250	<250
F4 (C34-C50)	----	E601.SG/WT	µg/L		<250	<250	<250	<250	<250	<250	<250
F1-BTEX	----	EC580/WT	µg/L		<25	<25	<25	<25	<25	<25	<25
Hydrocarbons, total (C6-C50)	n/a	EC581SG/WT	µg/L		<370	<370	<370	<370	<370	<370	<370
Chromatogram to baseline at nC50	n/a	E601.SG/WT	-		YES	YES	YES	YES	YES	YES	YES
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WT	%		94.6	93.0	98.0	92.4	94.2	95.9	95.6
Dichlorotoluene, 3,4-	95-75-0	E581.F1-L/WT	%		97.4	106	90.6	92.5	89.0	101	95.7
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611D/WT	%		92.0	90.9	91.3	90.4	91.6	92.3	91.1
Difluorobenzene, 1,4-	540-36-3	E611D/WT	%		96.8	96.3	96.2	96.0	96.5	96.0	96.3
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Acenaphthylene	208-96-8	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Anthracene	120-12-7	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benz(a)anthracene	56-55-3	E641A/WT	µg/L		<0.010	<0.010	<0.010	0.010	<0.010	<0.010	<0.010
Benzo(a)pyrene	50-32-8	E641A/WT	µg/L		<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Benzo(b+j)fluoranthene	n/a	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(g,h,i)perylene	191-24-2	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Benzo(k)fluoranthene	207-08-9	E641A/WT	µg/L		<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010



Matrix: Water

Client sample ID				MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time				20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
				Result	Result	Result	Result	Result	Result	Result
Polycyclic Aromatic Hydrocarbons										
Chrysene	218-01-9	E641A/WT	µg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Dibenz(a,h)anthracene	53-70-3	E641A/WT	µg/L	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050
Fluoranthene	206-44-0	E641A/WT	µg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Fluorene	86-73-7	E641A/WT	µg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/WT	µg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 1-	90-12-0	E641A/WT	µg/L	<0.010	0.038	<0.010	<0.010	<0.010	<0.010	<0.010
Methylnaphthalene, 1+2-	----	E641A/WT	µg/L	<0.015	0.066	<0.015	<0.015	<0.015	<0.015	<0.015
Methylnaphthalene, 2-	91-57-6	E641A/WT	µg/L	<0.010	0.028	<0.010	<0.010	<0.010	<0.010	<0.010
Naphthalene	91-20-3	E641A/WT	µg/L	<0.050	0.075	<0.050	<0.050	<0.050	<0.050	<0.050
Phenanthrene	85-01-8	E641A/WT	µg/L	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
Pyrene	129-00-0	E641A/WT	µg/L	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/WT	%	92.4	82.4	93.0	92.6	92.0	91.6	90.3
Naphthalene-d8	1146-65-2	E641A/WT	%	111	103	111	108	111	112	108
Phenanthrene-d10	1517-22-2	E641A/WT	%	107	98.8	109	107	110	107	106
Polychlorinated Biphenyls										
Aroclor 1016	12674-11-2	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1221	11104-28-2	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1232	11141-16-5	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1242	53469-21-9	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----



Matrix: Water

Client sample ID				MW8	MW9	MW10	MW11	MW12	MW13	DUPW-WD1
Client sampling date / time				20-Mar-2025 08:40	19-Mar-2025 11:40	19-Mar-2025 11:05	19-Mar-2025 10:20	19-Mar-2025 09:35	19-Mar-2025 09:00	19-Mar-2025 00:00
Sub-Matrix				Water	Water	Water	Water	Water	Water	Water
Analyte	CAS Number	Method/Lab	Unit	WT2505933-008	WT2505933-009	WT2505933-010	WT2505933-011	WT2505933-012	WT2505933-013	WT2505933-014
				Result	Result	Result	Result	Result	Result	Result
Polychlorinated Biphenyls										
Aroclor 1248	12672-29-6	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1254	11097-69-1	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1260	11096-82-5	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1262	37324-23-5	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Aroclor 1268	11100-14-4	E687/WT	µg/L	----	----	<0.020	<0.020	----	----	----
Polychlorinated biphenyls [PCBs], total	n/a	E687/WT	µg/L	----	----	<0.060	<0.060	----	----	----
Polychlorinated Biphenyls Surrogates										
Decachlorobiphenyl	2051-24-3	E687/WT	%	----	----	95.7	98.4	----	----	----
Tetrachloro-m-xylene	877-09-8	E687/WT	%	----	----	89.5	92.2	----	----	----

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

Matrix: Water

Client sample ID				DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time				19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix				Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----
				Result	Result	Result	Result	Result	Result	----
Physical Tests										
Conductivity	----	E100/WT	mS/cm	1.58	----	----	----	----	----	----
pH	----	E108/WT	pH units	11.97 ^{RRV}	----	----	----	----	----	----



Matrix: Water				Client sample ID	DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time					19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix					Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----	
	Result				Result	Result	Result	Result	Result	----	
Anions and Nutrients											
Chloride	16887-00-6	E235.Cl/WT	µg/L	60600 ^{DLDS}	----	----	----	----	----	----	----
Cyanides											
Cyanide, weak acid dissociable	----	E336/WT	µg/L	<2.0	----	----	----	----	----	----	----
Dissolved Metals											
Antimony, dissolved	7440-36-0	E421/WT	µg/L	<1.00 ^{DLHC}	----	----	----	----	----	----	----
Arsenic, dissolved	7440-38-2	E421/WT	µg/L	1.83 ^{DLHC}	----	----	----	----	----	----	----
Barium, dissolved	7440-39-3	E421/WT	µg/L	56.9 ^{DLHC}	----	----	----	----	----	----	----
Beryllium, dissolved	7440-41-7	E421/WT	µg/L	<0.200 ^{DLHC}	----	----	----	----	----	----	----
Boron, dissolved	7440-42-8	E421/WT	µg/L	<100 ^{DLHC}	----	----	----	----	----	----	----
Cadmium, dissolved	7440-43-9	E421/WT	µg/L	<0.0500 ^{DLHC}	----	----	----	----	----	----	----
Chromium, dissolved	7440-47-3	E421/WT	µg/L	<5.00 ^{DLHC}	----	----	----	----	----	----	----
Cobalt, dissolved	7440-48-4	E421/WT	µg/L	<1.00 ^{DLHC}	----	----	----	----	----	----	----
Copper, dissolved	7440-50-8	E421/WT	µg/L	<2.00 ^{DLHC}	----	----	----	----	----	----	----
Lead, dissolved	7439-92-1	E421/WT	µg/L	<0.500 ^{DLHC}	----	----	----	----	----	----	----
Mercury, dissolved	7439-97-6	E509/WT	µg/L	<0.0050	----	----	----	----	----	----	----
Molybdenum, dissolved	7439-98-7	E421/WT	µg/L	117 ^{DLHC}	----	----	----	----	----	----	----
Nickel, dissolved	7440-02-0	E421/WT	µg/L	<5.00 ^{DLHC}	----	----	----	----	----	----	----
Selenium, dissolved	7782-49-2	E421/WT	µg/L	3.57 ^{DLHC}	----	----	----	----	----	----	----
Silver, dissolved	7440-22-4	E421/WT	µg/L	<0.100 ^{DLHC}	----	----	----	----	----	----	----
Sodium, dissolved	7440-23-5	E421/WT	µg/L	49900 ^{DLHC}	----	----	----	----	----	----	----



Matrix: Water				Client sample ID	DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
				Client sampling date / time	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
				Sub-Matrix	Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----	
				Result	Result	Result	Result	Result	Result	----	
Dissolved Metals											
Thallium, dissolved	7440-28-0	E421/WT	µg/L	<0.100 ^{DLHC}	----	----	----	----	----	----	----
Uranium, dissolved	7440-61-1	E421/WT	µg/L	<0.100 ^{DLHC}	----	----	----	----	----	----	----
Vanadium, dissolved	7440-62-2	E421/WT	µg/L	<5.00 ^{DLHC}	----	----	----	----	----	----	----
Zinc, dissolved	7440-66-6	E421/WT	µg/L	<10.0 ^{DLHC}	----	----	----	----	----	----	----
Dissolved mercury filtration location	----	EP509/WT	-	Field	----	----	----	----	----	----	----
Dissolved metals filtration location	----	EP421/WT	-	Field	----	----	----	----	----	----	----
Speciated Metals											
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A/WT	µg/L	<0.50	----	----	----	----	----	----	----
Volatile Organic Compounds											
Acetone	67-64-1	E611D/WT	%	----	----	----	129.3	----	115.29	----	----
Acetone	67-64-1	E611D/WT	µg/L	<20	<20	<20	----	<20	----	----	----
Benzene	71-43-2	E611D/WT	%	----	----	----	104.22	----	103.96	----	----
Benzene	71-43-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----	----
Bromodichloromethane	75-27-4	E611D/WT	%	----	----	----	113.81	----	110.53	----	----
Bromodichloromethane	75-27-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----	----
Bromoform	75-25-2	E611D/WT	%	----	----	----	108.67	----	104.1	----	----
Bromoform	75-25-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----	----
Bromomethane	74-83-9	E611D/WT	%	----	----	----	83.78	----	84.39	----	----
Bromomethane	74-83-9	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----	----
Carbon tetrachloride	56-23-5	E611D/WT	%	----	----	----	117.32	----	120.36	----	----



Matrix: Water

Client sample ID				DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time				19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix				Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----
				Result	Result	Result	Result	Result	Result	----
Volatile Organic Compounds										
Carbon tetrachloride	56-23-5	E611D/WT	µg/L	<0.20	<0.20	<0.20	----	<0.20	----	----
Chlorobenzene	108-90-7	E611D/WT	%	----	----	----	108.2	----	107.67	----
Chlorobenzene	108-90-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Chloroform	67-66-3	E611D/WT	%	----	----	----	117.66	----	116.82	----
Chloroform	67-66-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dibromochloromethane	124-48-1	E611D/WT	%	----	----	----	121.13	----	115.61	----
Dibromochloromethane	124-48-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dibromoethane, 1,2-	106-93-4	E611D/WT	%	----	----	----	105.73	----	98.81	----
Dibromoethane, 1,2-	106-93-4	E611D/WT	µg/L	<0.20	<0.20	<0.20	----	<0.20	----	----
Dichlorobenzene, 1,2-	95-50-1	E611D/WT	%	----	----	----	99.63	----	98.95	----
Dichlorobenzene, 1,2-	95-50-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichlorobenzene, 1,3-	541-73-1	E611D/WT	%	----	----	----	98.76	----	100.42	----
Dichlorobenzene, 1,3-	541-73-1	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichlorobenzene, 1,4-	106-46-7	E611D/WT	%	----	----	----	96.7	----	97.88	----
Dichlorobenzene, 1,4-	106-46-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichlorodifluoromethane	75-71-8	E611D/WT	%	----	----	----	69.67	----	76.29	----
Dichlorodifluoromethane	75-71-8	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloroethane, 1,1-	75-34-3	E611D/WT	%	----	----	----	110.29	----	94.46	----
Dichloroethane, 1,1-	75-34-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloroethane, 1,2-	107-06-2	E611D/WT	%	----	----	----	110.78	----	104.7	----



Matrix: Water

Client sample ID				DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time				19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix				Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----
				Result	Result	Result	Result	Result	Result	----
Volatile Organic Compounds										
Dichloroethane, 1,2-	107-06-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloroethylene, 1,1-	75-35-4	E611D/WT	%	----	----	----	104.88	----	107.92	----
Dichloroethylene, 1,1-	75-35-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloroethylene, cis-1,2-	156-59-2	E611D/WT	%	----	----	----	114.42	----	113.37	----
Dichloroethylene, cis-1,2-	156-59-2	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloroethylene, trans-1,2-	156-60-5	E611D/WT	%	----	----	----	112.39	----	114.19	----
Dichloroethylene, trans-1,2-	156-60-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloromethane	75-09-2	E611D/WT	%	----	----	----	113.24	----	110.69	----
Dichloromethane	75-09-2	E611D/WT	µg/L	<1.0	<1.0	<1.0	----	<1.0	----	----
Dichloropropane, 1,2-	78-87-5	E611D/WT	%	----	----	----	106.85	----	104.03	----
Dichloropropane, 1,2-	78-87-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D/WT	%	----	----	----	91.08	----	86.94	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D/WT	µg/L	<0.30	<0.30	<0.30	----	<0.30	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	E611D/WT	%	----	----	----	NR	----	NR	----
Dichloropropylene, cis+trans-1,3-	542-75-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D/WT	%	----	----	----	84.47	----	79.78	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D/WT	µg/L	<0.30	<0.30	<0.30	----	<0.30	----	----
Ethylbenzene	100-41-4	E611D/WT	%	----	----	----	99.75	----	100.96	----
Ethylbenzene	100-41-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Hexane, n-	110-54-3	E611D/WT	%	----	----	----	71.81	----	61.04	----



Matrix: Water

Client sample ID				DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time				19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix				Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----
				Result	Result	Result	Result	Result	Result	----
Volatile Organic Compounds										
Hexane, n-	110-54-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Methyl ethyl ketone [MEK]	78-93-3	E611D/WT	%	----	----	----	98.27	----	86.67	----
Methyl ethyl ketone [MEK]	78-93-3	E611D/WT	µg/L	<20	<20	<20	----	<20	----	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D/WT	%	----	----	----	99.96	----	87.35	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D/WT	µg/L	<20	<20	<20	----	<20	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D/WT	%	----	----	----	95.18	----	95.06	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Styrene	100-42-5	E611D/WT	%	----	----	----	103.27	----	101.23	----
Styrene	100-42-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D/WT	%	----	----	----	113.09	----	111.15	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D/WT	%	----	----	----	104.88	----	98.98	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Tetrachloroethylene	127-18-4	E611D/WT	%	----	----	----	109.63	----	113.38	----
Tetrachloroethylene	127-18-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Toluene	108-88-3	E611D/WT	%	----	----	----	99.75	----	100.74	----
Toluene	108-88-3	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Trichloroethane, 1,1,1-	71-55-6	E611D/WT	%	----	----	----	111.05	----	113.5	----
Trichloroethane, 1,1,1-	71-55-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Trichloroethane, 1,1,2-	79-00-5	E611D/WT	%	----	----	----	103.59	----	98.19	----



Matrix: Water

Client sample ID				DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time				19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix				Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----
				Result	Result	Result	Result	Result	Result	----
Volatile Organic Compounds										
Trichloroethane, 1,1,2-	79-00-5	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Trichloroethylene	79-01-6	E611D/WT	%	----	----	----	115.71	----	117.81	----
Trichloroethylene	79-01-6	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Trichlorofluoromethane	75-69-4	E611D/WT	%	----	----	----	104.81	----	109.6	----
Trichlorofluoromethane	75-69-4	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
Vinyl chloride	75-01-4	E611D/WT	%	----	----	----	92.4	----	96.35	----
Vinyl chloride	75-01-4	E611D/WT	µg/L	<0.20	<0.20	<0.20	----	<0.20	----	----
Xylene, m+p-	179601-23-1	E611D/WT	%	----	----	----	98.5	----	100	----
Xylene, m+p-	179601-23-1	E611D/WT	µg/L	<0.40	<0.40	<0.40	----	<0.40	----	----
Xylene, o-	95-47-6	E611D/WT	%	----	----	----	99.37	----	99.68	----
Xylene, o-	95-47-6	E611D/WT	µg/L	<0.30	<0.30	<0.30	----	<0.30	----	----
Xylenes, total	1330-20-7	E611D/WT	%	----	----	----	NR	----	NR	----
Xylenes, total	1330-20-7	E611D/WT	µg/L	<0.50	<0.50	<0.50	----	<0.50	----	----
BTEX, total	----	E611D/WT	%	----	----	----	NR	----	NR	----
BTEX, total	----	E611D/WT	µg/L	<1.0	<1.0	<1.0	----	<1.0	----	----
Hydrocarbons										
F1 (C6-C10)	----	E581.F1-L/WT	%	----	----	----	69.5	----	71.1	----
F1 (C6-C10)	----	E581.F1-L/WT	µg/L	<25	<25	<25	----	<25	----	----
F2 (C10-C16)	----	E601.SG/WT	µg/L	<100	----	----	----	----	----	----
F2-Naphthalene	----	EC600SG/WT	µg/L	<100	----	----	----	----	----	----



Matrix: Water				Client sample ID	DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time					19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix					Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----	
				Result	Result	Result	Result	Result	Result	Result	Result
Hydrocarbons											
F3 (C16-C34)	----	E601.SG/WT	µg/L	<250	----	----	----	----	----	----	----
F3-PAH	n/a	EC600SG/WT	µg/L	<250	----	----	----	----	----	----	----
F4 (C34-C50)	----	E601.SG/WT	µg/L	<250	----	----	----	----	----	----	----
F1-BTEX	----	EC580/WT	%	----	----	----	NR	----	NR	----	----
F1-BTEX	----	EC580/WT	µg/L	<25	<25	<25	----	<25	----	----	----
Hydrocarbons, total (C6-C50)	n/a	EC581SG/WT	µg/L	<370	----	----	----	----	----	----	----
Chromatogram to baseline at nC50	n/a	E601.SG/WT	-	YES	----	----	----	----	----	----	----
Hydrocarbons Surrogates											
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	E601.SG/WT	%	93.9	----	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	E581.F1-L/WT	%	106	104	81.6	89.5	93.9	88.2	----	----
Volatile Organic Compounds Surrogates											
Bromofluorobenzene, 4-	460-00-4	E611D/WT	%	----	----	----	111	----	----	----	----
Bromofluorobenzene, 4-	460-00-4	E611D/WT	%	90.8	90.9	105	----	106	110	----	----
Difluorobenzene, 1,4-	540-36-3	E611D/WT	%	----	----	----	100	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	E611D/WT	%	96.0	96.3	99.6	----	99.3	101	----	----
Polycyclic Aromatic Hydrocarbons											
Acenaphthene	83-32-9	E641A/WT	µg/L	<0.010	----	----	----	----	----	----	----
Acenaphthylene	208-96-8	E641A/WT	µg/L	<0.010	----	----	----	----	----	----	----
Anthracene	120-12-7	E641A/WT	µg/L	<0.010	----	----	----	----	----	----	----
Benz(a)anthracene	56-55-3	E641A/WT	µg/L	<0.010	----	----	----	----	----	----	----



Matrix: Water

Client sample ID				DUPW-WD2	FIELD BLANK 1	TRIP BLANK 1	TRIP SPIKE 1	TRIP BLANK 2	TRIP SPIKE 2	----
Client sampling date / time				19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	19-Mar-2025 00:00	20-Mar-2025 00:00	20-Mar-2025 00:00	----
Sub-Matrix				Water	Water	Water	Water	Water	Water	----
Analyte	CAS Number	Method/Lab	Unit	WT2505933-015	WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021	----
				Result	Result	Result	Result	Result	Result	----
Polycyclic Aromatic Hydrocarbons										
Benzo(a)pyrene	50-32-8	E641A/WT	µg/L	<0.0050	----	----	----	----	----	----
Benzo(b+j)fluoranthene	n/a	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Benzo(k)fluoranthene	207-08-9	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Chrysene	218-01-9	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	E641A/WT	µg/L	<0.0050	----	----	----	----	----	----
Fluoranthene	206-44-0	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Fluorene	86-73-7	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Methylnaphthalene, 1-	90-12-0	E641A/WT	µg/L	0.043	----	----	----	----	----	----
Methylnaphthalene, 1+2-	----	E641A/WT	µg/L	0.075	----	----	----	----	----	----
Methylnaphthalene, 2-	91-57-6	E641A/WT	µg/L	0.032	----	----	----	----	----	----
Naphthalene	91-20-3	E641A/WT	µg/L	0.083	----	----	----	----	----	----
Phenanthrene	85-01-8	E641A/WT	µg/L	<0.020	----	----	----	----	----	----
Pyrene	129-00-0	E641A/WT	µg/L	<0.010	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons Surrogates										
Chrysene-d12	1719-03-5	E641A/WT	%	92.6	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	E641A/WT	%	107	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	E641A/WT	%	107	----	----	----	----	----	----

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



Summary of Guideline Limits

Analyte	CAS Number	Unit	ON153/04 T3-NPGW-C-All	ON153/04 T3-NPGW-F-All	ON153/04 T9-NPGW-All				
Physical Tests									
Conductivity	----	mS/cm	----	----	----	----	----	----	----
pH	----	pH units	----	----	----	----	----	----	----
Anions and Nutrients									
Chloride	16887-00-6	µg/L	2300000 µg/L	2300000 µg/L	1800000 µg/L	----	----	----	----
Cyanides									
Cyanide, weak acid dissociable		µg/L	66 µg/L	66 µg/L	52 µg/L	----	----	----	----
Dissolved Metals									
Antimony, dissolved	7440-36-0	µg/L	20000 µg/L	20000 µg/L	16000 µg/L	----	----	----	----
Arsenic, dissolved	7440-38-2	µg/L	1900 µg/L	1900 µg/L	1500 µg/L	----	----	----	----
Barium, dissolved	7440-39-3	µg/L	29000 µg/L	29000 µg/L	23000 µg/L	----	----	----	----
Beryllium, dissolved	7440-41-7	µg/L	67 µg/L	67 µg/L	53 µg/L	----	----	----	----
Boron, dissolved	7440-42-8	µg/L	45000 µg/L	45000 µg/L	36000 µg/L	----	----	----	----
Cadmium, dissolved	7440-43-9	µg/L	2.7 µg/L	2.7 µg/L	2.1 µg/L	----	----	----	----
Chromium, dissolved	7440-47-3	µg/L	810 µg/L	810 µg/L	640 µg/L	----	----	----	----
Cobalt, dissolved	7440-48-4	µg/L	66 µg/L	66 µg/L	52 µg/L	----	----	----	----
Copper, dissolved	7440-50-8	µg/L	87 µg/L	87 µg/L	69 µg/L	----	----	----	----
Lead, dissolved	7439-92-1	µg/L	25 µg/L	25 µg/L	20 µg/L	----	----	----	----
Mercury, dissolved	7439-97-6	µg/L	0.29 µg/L	2.8 µg/L	0.29 µg/L	----	----	----	----
Molybdenum, dissolved	7439-98-7	µg/L	9200 µg/L	9200 µg/L	7300 µg/L	----	----	----	----
Nickel, dissolved	7440-02-0	µg/L	490 µg/L	490 µg/L	390 µg/L	----	----	----	----
Selenium, dissolved	7782-49-2	µg/L	63 µg/L	63 µg/L	50 µg/L	----	----	----	----
Silver, dissolved	7440-22-4	µg/L	1.5 µg/L	1.5 µg/L	1.2 µg/L	----	----	----	----
Sodium, dissolved	7440-23-5	µg/L	2300000 µg/L	2300000 µg/L	1800000 µg/L	----	----	----	----



Thallium, dissolved	7440-28-0	µg/L	510 µg/L	510 µg/L	400 µg/L	----	----	----	----
Uranium, dissolved	7440-61-1	µg/L	420 µg/L	420 µg/L	330 µg/L	----	----	----	----
Vanadium, dissolved	7440-62-2	µg/L	250 µg/L	250 µg/L	200 µg/L	----	----	----	----
Zinc, dissolved	7440-66-6	µg/L	1100 µg/L	1100 µg/L	890 µg/L	----	----	----	----
Dissolved mercury filtration location	----	-	----	----	----	----	----	----	----
Dissolved metals filtration location	----	-	----	----	----	----	----	----	----
Speciated Metals									
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	µg/L	140 µg/L	140 µg/L	110 µg/L	----	----	----	----
Volatile Organic Compounds									
Acetone	67-64-1	%	130000 µg/L	130000 µg/L	100000 µg/L	----	----	----	----
Acetone	67-64-1	µg/L	130000 µg/L	130000 µg/L	100000 µg/L	----	----	----	----
Benzene	71-43-2	%	44 µg/L	430 µg/L	44 µg/L	----	----	----	----
Benzene	71-43-2	µg/L	44 µg/L	430 µg/L	44 µg/L	----	----	----	----
Bromodichloromethane	75-27-4	%	85000 µg/L	85000 µg/L	67000 µg/L	----	----	----	----
Bromodichloromethane	75-27-4	µg/L	85000 µg/L	85000 µg/L	67000 µg/L	----	----	----	----
Bromoform	75-25-2	%	380 µg/L	770 µg/L	380 µg/L	----	----	----	----
Bromoform	75-25-2	µg/L	380 µg/L	770 µg/L	380 µg/L	----	----	----	----
Bromomethane	74-83-9	%	5.6 µg/L	56 µg/L	5.6 µg/L	----	----	----	----
Bromomethane	74-83-9	µg/L	5.6 µg/L	56 µg/L	5.6 µg/L	----	----	----	----
Carbon tetrachloride	56-23-5	%	0.79 µg/L	8.4 µg/L	0.79 µg/L	----	----	----	----
Carbon tetrachloride	56-23-5	µg/L	0.79 µg/L	8.4 µg/L	0.79 µg/L	----	----	----	----
Chlorobenzene	108-90-7	%	630 µg/L	630 µg/L	500 µg/L	----	----	----	----
Chlorobenzene	108-90-7	µg/L	630 µg/L	630 µg/L	500 µg/L	----	----	----	----
Chloroform	67-66-3	%	2.4 µg/L	22 µg/L	2.4 µg/L	----	----	----	----
Chloroform	67-66-3	µg/L	2.4 µg/L	22 µg/L	2.4 µg/L	----	----	----	----
Dibromochloromethane	124-48-1	%	82000 µg/L	82000 µg/L	65000 µg/L	----	----	----	----
Dibromochloromethane	124-48-1	µg/L	82000 µg/L	82000 µg/L	65000 µg/L	----	----	----	----



Dibromoethane, 1,2-	106-93-4	%	0.25 µg/L	0.83 µg/L	0.25 µg/L	----	----	----	----
Dibromoethane, 1,2-	106-93-4	µg/L	0.25 µg/L	0.83 µg/L	0.25 µg/L	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	%	4600 µg/L	9600 µg/L	4600 µg/L	----	----	----	----
Dichlorobenzene, 1,2-	95-50-1	µg/L	4600 µg/L	9600 µg/L	4600 µg/L	----	----	----	----
Dichlorobenzene, 1,3-	541-73-1	%	9600 µg/L	9600 µg/L	7600 µg/L	----	----	----	----
Dichlorobenzene, 1,3-	541-73-1	µg/L	9600 µg/L	9600 µg/L	7600 µg/L	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	%	8 µg/L	67 µg/L	8 µg/L	----	----	----	----
Dichlorobenzene, 1,4-	106-46-7	µg/L	8 µg/L	67 µg/L	8 µg/L	----	----	----	----
Dichlorodifluoromethane	75-71-8	%	4400 µg/L	4400 µg/L	3500 µg/L	----	----	----	----
Dichlorodifluoromethane	75-71-8	µg/L	4400 µg/L	4400 µg/L	3500 µg/L	----	----	----	----
Dichloroethane, 1,1-	75-34-3	%	320 µg/L	3100 µg/L	320 µg/L	----	----	----	----
Dichloroethane, 1,1-	75-34-3	µg/L	320 µg/L	3100 µg/L	320 µg/L	----	----	----	----
Dichloroethane, 1,2-	107-06-2	%	1.6 µg/L	12 µg/L	1.6 µg/L	----	----	----	----
Dichloroethane, 1,2-	107-06-2	µg/L	1.6 µg/L	12 µg/L	1.6 µg/L	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	%	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Dichloroethylene, 1,1-	75-35-4	µg/L	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	%	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Dichloroethylene, cis-1,2-	156-59-2	µg/L	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	%	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Dichloroethylene, trans-1,2-	156-60-5	µg/L	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Dichloromethane	75-09-2	%	610 µg/L	5500 µg/L	610 µg/L	----	----	----	----
Dichloromethane	75-09-2	µg/L	610 µg/L	5500 µg/L	610 µg/L	----	----	----	----
Dichloropropane, 1,2-	78-87-5	%	16 µg/L	140 µg/L	16 µg/L	----	----	----	----
Dichloropropane, 1,2-	78-87-5	µg/L	16 µg/L	140 µg/L	16 µg/L	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	%	----	----	----	----	----	----	----
Dichloropropylene, cis-1,3-	10061-01-5	µg/L	----	----	----	----	----	----	----
Dichloropropylene, cis+trans-1,3-	542-75-6	%	5.2 µg/L	45 µg/L	5.2 µg/L	----	----	----	----



Dichloropropylene, cis+trans-1,3-	542-75-6	µg/L	5.2 µg/L	45 µg/L	5.2 µg/L	----	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	%	----	----	----	----	----	----	----
Dichloropropylene, trans-1,3-	10061-02-6	µg/L	----	----	----	----	----	----	----
Ethylbenzene	100-41-4	%	2300 µg/L	2300 µg/L	1800 µg/L	----	----	----	----
Ethylbenzene	100-41-4	µg/L	2300 µg/L	2300 µg/L	1800 µg/L	----	----	----	----
Hexane, n-	110-54-3	%	51 µg/L	520 µg/L	51 µg/L	----	----	----	----
Hexane, n-	110-54-3	µg/L	51 µg/L	520 µg/L	51 µg/L	----	----	----	----
Methyl ethyl ketone [MEK]	78-93-3	%	470000 µg/L	1500000 µg/L	470000 µg/L	----	----	----	----
Methyl ethyl ketone [MEK]	78-93-3	µg/L	470000 µg/L	1500000 µg/L	470000 µg/L	----	----	----	----
Methyl isobutyl ketone [MIBK]	108-10-1	%	140000 µg/L	580000 µg/L	140000 µg/L	----	----	----	----
Methyl isobutyl ketone [MIBK]	108-10-1	µg/L	140000 µg/L	580000 µg/L	140000 µg/L	----	----	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	%	190 µg/L	1400 µg/L	190 µg/L	----	----	----	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	µg/L	190 µg/L	1400 µg/L	190 µg/L	----	----	----	----
Styrene	100-42-5	%	1300 µg/L	9100 µg/L	1300 µg/L	----	----	----	----
Styrene	100-42-5	µg/L	1300 µg/L	9100 µg/L	1300 µg/L	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	%	3.3 µg/L	28 µg/L	3.4 µg/L	----	----	----	----
Tetrachloroethane, 1,1,1,2-	630-20-6	µg/L	3.3 µg/L	28 µg/L	3.4 µg/L	----	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	%	3.2 µg/L	15 µg/L	3.2 µg/L	----	----	----	----
Tetrachloroethane, 1,1,2,2-	79-34-5	µg/L	3.2 µg/L	15 µg/L	3.2 µg/L	----	----	----	----
Tetrachloroethylene	127-18-4	%	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Tetrachloroethylene	127-18-4	µg/L	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Toluene	108-88-3	%	18000 µg/L	18000 µg/L	14000 µg/L	----	----	----	----
Toluene	108-88-3	µg/L	18000 µg/L	18000 µg/L	14000 µg/L	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	%	640 µg/L	6700 µg/L	640 µg/L	----	----	----	----
Trichloroethane, 1,1,1-	71-55-6	µg/L	640 µg/L	6700 µg/L	640 µg/L	----	----	----	----
Trichloroethane, 1,1,2-	79-00-5	%	4.7 µg/L	30 µg/L	4.7 µg/L	----	----	----	----
Trichloroethane, 1,1,2-	79-00-5	µg/L	4.7 µg/L	30 µg/L	4.7 µg/L	----	----	----	----



Trichloroethylene	79-01-6	%	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Trichloroethylene	79-01-6	µg/L	1.6 µg/L	17 µg/L	1.6 µg/L	----	----	----	----
Trichlorofluoromethane	75-69-4	%	2500 µg/L	2500 µg/L	2000 µg/L	----	----	----	----
Trichlorofluoromethane	75-69-4	µg/L	2500 µg/L	2500 µg/L	2000 µg/L	----	----	----	----
Vinyl chloride	75-01-4	%	0.5 µg/L	1.7 µg/L	0.5 µg/L	----	----	----	----
Vinyl chloride	75-01-4	µg/L	0.5 µg/L	1.7 µg/L	0.5 µg/L	----	----	----	----
Xylene, m+p-	179601-23-1	%	----	----	----	----	----	----	----
Xylene, m+p-	179601-23-1	µg/L	----	----	----	----	----	----	----
Xylene, o-	95-47-6	%	----	----	----	----	----	----	----
Xylene, o-	95-47-6	µg/L	----	----	----	----	----	----	----
Xylenes, total	1330-20-7	%	4200 µg/L	4200 µg/L	3300 µg/L	----	----	----	----
Xylenes, total	1330-20-7	µg/L	4200 µg/L	4200 µg/L	3300 µg/L	----	----	----	----
BTEX, total		%	----	----	----	----	----	----	----
BTEX, total		µg/L	----	----	----	----	----	----	----
Hydrocarbons									
F1 (C6-C10)		%	750 µg/L	750 µg/L	420 µg/L	----	----	----	----
F1 (C6-C10)		µg/L	750 µg/L	750 µg/L	420 µg/L	----	----	----	----
F2 (C10-C16)	----	µg/L	150 µg/L	150 µg/L	150 µg/L	----	----	----	----
F2-Naphthalene		µg/L	----	----	----	----	----	----	----
F3 (C16-C34)	----	µg/L	500 µg/L	500 µg/L	500 µg/L	----	----	----	----
F3-PAH	n/a	µg/L	----	----	----	----	----	----	----
F4 (C34-C50)	----	µg/L	500 µg/L	500 µg/L	500 µg/L	----	----	----	----
F1-BTEX		%	750 µg/L	750 µg/L	420 µg/L	----	----	----	----
F1-BTEX		µg/L	750 µg/L	750 µg/L	420 µg/L	----	----	----	----
Hydrocarbons, total (C6-C50)	n/a	µg/L	----	----	----	----	----	----	----
Chromatogram to baseline at nC50	n/a	-	----	----	----	----	----	----	----
Bromobenzotrifluoride, 2- (F2-F4 surrogate)	392-83-6	%	----	----	----	----	----	----	----



Bromofluorobenzene, 4-	460-00-4	%	----	----	----	----	----	----	----
Dichlorotoluene, 3,4-	95-75-0	%	----	----	----	----	----	----	----
Difluorobenzene, 1,4-	540-36-3	%	----	----	----	----	----	----	----
Polycyclic Aromatic Hydrocarbons									
Acenaphthene	83-32-9	µg/L	600 µg/L	1700 µg/L	600 µg/L	----	----	----	----
Acenaphthylene	208-96-8	µg/L	1.8 µg/L	1.8 µg/L	1.4 µg/L	----	----	----	----
Anthracene	120-12-7	µg/L	2.4 µg/L	2.4 µg/L	1 µg/L	----	----	----	----
Benz(a)anthracene	56-55-3	µg/L	4.7 µg/L	4.7 µg/L	1.8 µg/L	----	----	----	----
Benzo(a)pyrene	50-32-8	µg/L	0.81 µg/L	0.81 µg/L	0.81 µg/L	----	----	----	----
Benzo(b+j)fluoranthene	n/a	µg/L	0.75 µg/L	0.75 µg/L	0.75 µg/L	----	----	----	----
Benzo(g,h,i)perylene	191-24-2	µg/L	0.2 µg/L	0.2 µg/L	0.2 µg/L	----	----	----	----
Benzo(k)fluoranthene	207-08-9	µg/L	0.4 µg/L	0.4 µg/L	0.4 µg/L	----	----	----	----
Chrysene	218-01-9	µg/L	1 µg/L	1 µg/L	0.7 µg/L	----	----	----	----
Dibenz(a,h)anthracene	53-70-3	µg/L	0.52 µg/L	0.52 µg/L	0.4 µg/L	----	----	----	----
Fluoranthene	206-44-0	µg/L	130 µg/L	130 µg/L	73 µg/L	----	----	----	----
Fluorene	86-73-7	µg/L	400 µg/L	400 µg/L	290 µg/L	----	----	----	----
Indeno(1,2,3-c,d)pyrene	193-39-5	µg/L	0.2 µg/L	0.2 µg/L	0.2 µg/L	----	----	----	----
Methylnaphthalene, 1-	90-12-0	µg/L	1800 µg/L	1800 µg/L	1500 µg/L	----	----	----	----
Methylnaphthalene, 1+2-	----	µg/L	1800 µg/L	1800 µg/L	1500 µg/L	----	----	----	----
Methylnaphthalene, 2-	91-57-6	µg/L	1800 µg/L	1800 µg/L	1500 µg/L	----	----	----	----
Naphthalene	91-20-3	µg/L	1400 µg/L	6400 µg/L	1400 µg/L	----	----	----	----
Phenanthrene	85-01-8	µg/L	580 µg/L	580 µg/L	380 µg/L	----	----	----	----
Pyrene	129-00-0	µg/L	68 µg/L	68 µg/L	5.7 µg/L	----	----	----	----
Chrysene-d12	1719-03-5	%	----	----	----	----	----	----	----
Naphthalene-d8	1146-65-2	%	----	----	----	----	----	----	----
Phenanthrene-d10	1517-22-2	%	----	----	----	----	----	----	----
Polychlorinated Biphenyls									



Aroclor 1016	12674-11-2	µg/L	----	----	----	----	----	----	----
Aroclor 1221	11104-28-2	µg/L	----	----	----	----	----	----	----
Aroclor 1232	11141-16-5	µg/L	----	----	----	----	----	----	----
Aroclor 1242	53469-21-9	µg/L	----	----	----	----	----	----	----
Aroclor 1248	12672-29-6	µg/L	----	----	----	----	----	----	----
Aroclor 1254	11097-69-1	µg/L	----	----	----	----	----	----	----
Aroclor 1260	11096-82-5	µg/L	----	----	----	----	----	----	----
Aroclor 1262	37324-23-5	µg/L	----	----	----	----	----	----	----
Aroclor 1268	11100-14-4	µg/L	----	----	----	----	----	----	----
Polychlorinated biphenyls [PCBs], total	n/a	µg/L	7.8 µg/L	15 µg/L	0.2 µg/L	----	----	----	----
Decachlorobiphenyl	2051-24-3	%	----	----	----	----	----	----	----
Tetrachloro-m-xylene	877-09-8	%	----	----	----	----	----	----	----

Key:

ON153/04

T3-NPGW-C-All

T3-NPGW-F-All

T9-NPGW-All

Ontario Regulation 153/04 - April 15, 2011 Standards
(JUL, 2011)

153 T3-Non-Potable Ground Water-All Types of
Property Uses (Coarse)

153 T3-Non-Potable Ground Water-All Types of
Property Uses (Fine)

153 T9-Non-Potable Ground Water-All Types of
Property Use

QUALITY CONTROL INTERPRETIVE REPORT

Work Order	: WT2505933	Page	: 1 of 28
Amendment	: 1		
Client	: WSP Canada Inc.	Laboratory	: ALS Environmental - Waterloo
Contact	: Cindy Mckee	Account Manager	: Gayle Braun
Address	: 11865 County Road 42 Tecumseh ON Canada N8N 0H1	Address	: 60 Northland Road, Unit 1 Waterloo, Ontario Canada N2V 2B8
Telephone	: ----	Telephone	: +1 519 886 6910
Project	: CA0046126.8978	Date Samples Received	: 21-Mar-2025 13:45
PO	: P112898CA001	Issue Date	: 31-Mar-2025 09:16
C-O-C number	: ----		
Sampler	: DS		
Site	: ----		
Quote number	: 2025 SOA Pricing		
No. of samples received	: 20		
No. of samples analysed	: 20		

This report is automatically generated by the ALS LIMS (Laboratory Information Management System) through evaluation of Quality Control (QC) results and other QA parameters associated with this submission, and is intended to facilitate rapid data validation by auditors or reviewers. The report highlights any exceptions and outliers to ALS Data Quality Objectives, provides holding time details and exceptions, summarizes QC sample frequencies, and lists applicable methodology references and summaries.

Key

Anonymous: Refers to samples which are not part of this work order, but which formed part of the QC process lot.

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

DQO: Data Quality Objective.

LOR: Limit of Reporting (detection limit).

RPD: Relative Percent Difference.

Workorder Comments

Holding times are displayed as "----" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.

Summary of Outliers

Outliers : Quality Control Samples

- No Method Blank value outliers occur.
- No Duplicate outliers occur.
- No Laboratory Control Sample (LCS) outliers occur
- Matrix Spike outliers occur - please see following pages for full details.
- No Test sample Surrogate recovery outliers exist.

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: **Water**

Analyte Group	Laboratory sample ID	Client/Ref Sample ID	Analyte	CAS Number	Method	Result	Limits	Comment
Matrix Spike (MS) Recoveries								
Volatile Organic Compounds	Anonymous	Anonymous	Methyl ethyl ketone [MEK]	78-93-3	E611D	141 % ^{MES}	60.0-140%	Recovery greater than upper data quality objective

Result Qualifiers

Qualifier	Description
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).



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: **Water**

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	
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW6	E235.Cl	20-Mar-2025	25-Mar-2025	28 days	5 days	✓	27-Mar-2025	28 days	7 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW7	E235.Cl	20-Mar-2025	25-Mar-2025	28 days	5 days	✓	27-Mar-2025	28 days	7 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW8	E235.Cl	20-Mar-2025	25-Mar-2025	28 days	5 days	✓	27-Mar-2025	28 days	7 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] DUPW-WD1	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW1	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW10	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW11	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓



Matrix: **Water**

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	
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW12	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW13	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW2	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW3	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW4	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW5	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] MW9	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Anions and Nutrients : Chloride in Water by IC										
HDPE [ON MECP] DUPW-WD2	E235.Cl	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	9 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW6	E336	20-Mar-2025	24-Mar-2025	14 days	4 days	✓	24-Mar-2025	14 days	4 days	✓



Matrix: **Water** 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	
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW7	E336	20-Mar-2025	24-Mar-2025	14 days	4 days	✓	24-Mar-2025	14 days	4 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW8	E336	20-Mar-2025	24-Mar-2025	14 days	4 days	✓	24-Mar-2025	14 days	4 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) DUPW-WD1	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW1	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW10	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW11	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW12	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW13	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW2	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓



Matrix: **Water** 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	
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW3	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW4	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW5	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) MW9	E336	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Cyanides : WAD Cyanide										
Opaque HDPE - total (sodium hydroxide) DUPW-WD2	E336	19-Mar-2025	24-Mar-2025	14 days	6 days	✓	24-Mar-2025	14 days	6 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW6	E509	20-Mar-2025	24-Mar-2025	28 days	4 days	✓	24-Mar-2025	28 days	4 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW7	E509	20-Mar-2025	24-Mar-2025	28 days	4 days	✓	24-Mar-2025	28 days	4 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW8	E509	20-Mar-2025	24-Mar-2025	28 days	4 days	✓	24-Mar-2025	28 days	4 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW1	E509	19-Mar-2025	24-Mar-2025	28 days	5 days	✓	24-Mar-2025	28 days	5 days	✓



Matrix: **Water** 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	
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW2	E509	19-Mar-2025	24-Mar-2025	28 days	5 days	✓	24-Mar-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW3	E509	19-Mar-2025	24-Mar-2025	28 days	5 days	✓	24-Mar-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW4	E509	19-Mar-2025	24-Mar-2025	28 days	5 days	✓	24-Mar-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW5	E509	19-Mar-2025	24-Mar-2025	28 days	5 days	✓	24-Mar-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW9	E509	19-Mar-2025	24-Mar-2025	28 days	5 days	✓	24-Mar-2025	28 days	5 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) DUPW-WD1	E509	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	25-Mar-2025	28 days	6 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) DUPW-WD2	E509	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	25-Mar-2025	28 days	6 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW10	E509	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	25-Mar-2025	28 days	6 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW11	E509	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	25-Mar-2025	28 days	6 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW12	E509	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	25-Mar-2025	28 days	6 days	✓
Dissolved Metals : Dissolved Mercury in Water by CVAAS										
Glass vial dissolved (hydrochloric acid) MW13	E509	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	25-Mar-2025	28 days	6 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW6	E421	20-Mar-2025	24-Mar-2025	180 days	4 days	✓	24-Mar-2025	180 days	4 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW7	E421	20-Mar-2025	24-Mar-2025	180 days	4 days	✓	24-Mar-2025	180 days	4 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW8	E421	20-Mar-2025	24-Mar-2025	180 days	4 days	✓	24-Mar-2025	180 days	4 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) DUPW-WD1	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) DUPW-WD2	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW1	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW10	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW11	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW12	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW13	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW2	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW3	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW4	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW5	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Dissolved Metals : Dissolved Metals in Water by CRC ICPMS										
HDPE dissolved (nitric acid) MW9	E421	19-Mar-2025	24-Mar-2025	180 days	5 days	✓	24-Mar-2025	180 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW6	E581.F1-L	20-Mar-2025	24-Mar-2025	14 days	4 days	✓	24-Mar-2025	14 days	4 days	✓



Matrix: **Water** 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 (Low Level)										
Glass vial (sodium bisulfate) MW7	E581.F1-L	20-Mar-2025	24-Mar-2025	14 days	4 days	✓	24-Mar-2025	14 days	4 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW8	E581.F1-L	20-Mar-2025	24-Mar-2025	14 days	4 days	✓	24-Mar-2025	14 days	4 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) DUPW-WD1	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW1	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW10	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW11	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW12	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW13	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW2	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW3	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW4	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW5	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) MW9	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) TRIP BLANK 2	E581.F1-L	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	25-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) TRIP SPIKE 2	E581.F1-L	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	25-Mar-2025	14 days	5 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) DUPW-WD2	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	6 days	✓	24-Mar-2025	14 days	6 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) FIELD BLANK 1	E581.F1-L	19-Mar-2025	24-Mar-2025	14 days	6 days	✓	24-Mar-2025	14 days	6 days	✓
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) TRIP BLANK 1	E581.F1-L	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	25-Mar-2025	14 days	6 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : CCME PHC - F1 by Headspace GC-FID (Low Level)										
Glass vial (sodium bisulfate) TRIP SPIKE 1	E581.F1-L	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	25-Mar-2025	14 days	6 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW6	E601.SG	20-Mar-2025	23-Mar-2025	14 days	3 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW7	E601.SG	20-Mar-2025	23-Mar-2025	14 days	3 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW8	E601.SG	20-Mar-2025	23-Mar-2025	14 days	3 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) DUPW-WD1	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW10	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW11	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW12	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW13	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW2	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW3	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW4	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW5	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW9	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) MW1	E601.SG	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	25-Mar-2025	40 days	2 days	✓
Hydrocarbons : Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID										
Amber glass/Teflon lined cap (sodium bisulfate) DUPW-WD2	E601.SG	19-Mar-2025	23-Mar-2025	14 days	5 days	✓	24-Mar-2025	40 days	1 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW6	E100	20-Mar-2025	25-Mar-2025	28 days	5 days	✓	27-Mar-2025	28 days	7 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW7	E100	20-Mar-2025	25-Mar-2025	28 days	5 days	✓	27-Mar-2025	28 days	7 days	✓



Matrix: **Water** 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 : Conductivity in Water										
HDPE [ON MECP] MW8	E100	20-Mar-2025	25-Mar-2025	28 days	5 days	✓	27-Mar-2025	28 days	7 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] DUPW-WD1	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] DUPW-WD2	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW1	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW10	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW11	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW12	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW13	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW2	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓



Matrix: **Water** 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 : Conductivity in Water										
HDPE [ON MECP] MW3	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW4	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW5	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : Conductivity in Water										
HDPE [ON MECP] MW9	E100	19-Mar-2025	25-Mar-2025	28 days	6 days	✓	27-Mar-2025	28 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW6	E108	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	27-Mar-2025	14 days	7 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW7	E108	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	27-Mar-2025	14 days	7 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW8	E108	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	27-Mar-2025	14 days	7 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] DUPW-WD1	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] DUPW-WD2	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓



Matrix: **Water** 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 : pH by Meter										
HDPE [ON MECP] MW1	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW10	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW11	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW12	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW13	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW2	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW3	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW4	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Physical Tests : pH by Meter										
HDPE [ON MECP] MW5	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓



Matrix: **Water** 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 : pH by Meter										
HDPE [ON MECP] MW9	E108	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	27-Mar-2025	14 days	8 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-MS										
Amber glass/Teflon lined septa cap [ON MECP] MW10	E687	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polychlorinated Biphenyls : PCB Aroclors by GC-MS										
Amber glass/Teflon lined septa cap [ON MECP] MW11	E687	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW6	E641A	20-Mar-2025	23-Mar-2025	14 days	3 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW7	E641A	20-Mar-2025	23-Mar-2025	14 days	3 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW8	E641A	20-Mar-2025	23-Mar-2025	14 days	3 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) DUPW-WD1	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW10	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW11	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW12	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW13	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW2	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW3	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW4	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW5	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW9	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	24-Mar-2025	40 days	1 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) MW1	E641A	19-Mar-2025	23-Mar-2025	14 days	4 days	✓	25-Mar-2025	40 days	2 days	✓
Polycyclic Aromatic Hydrocarbons : PAHs in Water by Hexane LVI GC-MS										
Amber glass/Teflon lined cap (sodium bisulfate) DUPW-WD2	E641A	19-Mar-2025	23-Mar-2025	14 days	5 days	✓	24-Mar-2025	40 days	1 days	✓



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW6	E532A	20-Mar-2025	----	----	----		25-Mar-2025	28 days	5 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW7	E532A	20-Mar-2025	----	----	----		25-Mar-2025	28 days	5 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW8	E532A	20-Mar-2025	----	----	----		25-Mar-2025	28 days	5 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] DUPW-WD1	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] DUPW-WD2	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW1	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW10	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW11	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW12	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔



Matrix: **Water** 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 : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW13	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW2	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW3	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW4	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW5	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Speciated Metals : Dissolved Hexavalent Chromium (Cr VI) by IC										
HDPE - dissolved (NaOH+Buf) [ON MECP] MW9	E532A	19-Mar-2025	----	----	----		25-Mar-2025	28 days	6 days	✔
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW6	E611D	20-Mar-2025	24-Mar-2025	14 days	4 days	✔	24-Mar-2025	14 days	4 days	✔
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW7	E611D	20-Mar-2025	24-Mar-2025	14 days	4 days	✔	24-Mar-2025	14 days	4 days	✔
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW8	E611D	20-Mar-2025	24-Mar-2025	14 days	4 days	✔	24-Mar-2025	14 days	4 days	✔

Page : 22 of 28
 Work Order : WT2505933 Amendment 1
 Client : WSP Canada Inc.
 Project : CA0046126.8978



Matrix: **Water** Evaluation: ✖ = Holding time exceedance ; ✔ = Within Holding Time

Analyte Group : Analytical Method	Method	Sampling Date	Extraction / Preparation				Analysis			
Container / Client Sample ID(s)			Preparation Date	Holding Times		Eval	Analysis Date	Holding Times		Eval
				Rec	Actual			Rec	Actual	
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) DUPW-WD1	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW1	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW10	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW11	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW12	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW13	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW2	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW3	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW4	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓



Matrix: **Water** 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 : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW5	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) MW9	E611D	19-Mar-2025	24-Mar-2025	14 days	5 days	✓	24-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) TRIP BLANK 2	E611D	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	25-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) TRIP SPIKE 2	E611D	20-Mar-2025	25-Mar-2025	14 days	5 days	✓	25-Mar-2025	14 days	5 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) DUPW-WD2	E611D	19-Mar-2025	24-Mar-2025	14 days	6 days	✓	24-Mar-2025	14 days	6 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) FIELD BLANK 1	E611D	19-Mar-2025	24-Mar-2025	14 days	6 days	✓	24-Mar-2025	14 days	6 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) TRIP BLANK 1	E611D	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	25-Mar-2025	14 days	6 days	✓
Volatile Organic Compounds : VOCs (Eastern Canada List) by Headspace GC-MS										
Glass vial (sodium bisulfate) TRIP SPIKE 1	E611D	19-Mar-2025	25-Mar-2025	14 days	6 days	✓	25-Mar-2025	14 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: **Water** Evaluation: ✖ = QC frequency outside specification; ✔ = QC frequency within specification.

Quality Control Sample Type	Method	QC Lot #	Count		Frequency (%)		
Analytical Methods			QC	Regular	Actual	Expected	Evaluation
Laboratory Duplicates (DUP)							
Conductivity in Water	E100	1922760	1	16	6.2	5.0	✔
pH by Meter	E108	1922759	1	19	5.2	5.0	✔
Chloride in Water by IC	E235.Cl	1922756	1	16	6.2	5.0	✔
WAD Cyanide	E336	1921413	1	15	6.6	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	1921650	1	18	5.5	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	1921288	2	38	5.2	5.0	✔
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	1923198	1	15	6.6	5.0	✔
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	1921933	2	35	5.7	5.0	✔
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	1921931	2	39	5.1	5.0	✔
Laboratory Control Samples (LCS)							
Conductivity in Water	E100	1922760	1	16	6.2	5.0	✔
pH by Meter	E108	1922759	1	19	5.2	5.0	✔
Chloride in Water by IC	E235.Cl	1922756	1	16	6.2	5.0	✔
WAD Cyanide	E336	1921413	1	15	6.6	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	1921650	1	18	5.5	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	1921288	2	38	5.2	5.0	✔
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	1923198	1	15	6.6	5.0	✔
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	1921933	2	35	5.7	5.0	✔
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	1921087	2	30	6.6	5.0	✔
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	1921931	2	39	5.1	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	1921089	2	20	10.0	5.0	✔
PCB Aroclors by GC-MS	E687	1921085	1	7	14.2	4.7	✔
Method Blanks (MB)							
Conductivity in Water	E100	1922760	1	16	6.2	5.0	✔
Chloride in Water by IC	E235.Cl	1922756	1	16	6.2	5.0	✔
WAD Cyanide	E336	1921413	1	15	6.6	5.0	✔
Dissolved Metals in Water by CRC ICPMS	E421	1921650	1	18	5.5	5.0	✔
Dissolved Mercury in Water by CVAAS	E509	1921288	2	38	5.2	5.0	✔
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	1923198	1	15	6.6	5.0	✔
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	1921933	2	35	5.7	5.0	✔
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG	1921087	2	30	6.6	5.0	✔
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	1921931	2	39	5.1	5.0	✔
PAHs in Water by Hexane LVI GC-MS	E641A	1921089	2	20	10.0	5.0	✔
PCB Aroclors by GC-MS	E687	1921085	1	7	14.2	4.7	✔
Matrix Spikes (MS)							

Page : 25 of 28
 Work Order : WT2505933 Amendment 1
 Client : WSP Canada Inc.
 Project : CA0046126.8978



Matrix: **Water**

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
Matrix Spikes (MS) - Continued							
Chloride in Water by IC	E235.Cl	1922756	1	16	6.2	5.0	✓
WAD Cyanide	E336	1921413	1	15	6.6	5.0	✓
Dissolved Metals in Water by CRC ICPMS	E421	1921650	1	18	5.5	5.0	✓
Dissolved Mercury in Water by CVAAS	E509	1921288	2	38	5.2	5.0	✓
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A	1923198	1	15	6.6	5.0	✓
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L	1921933	2	35	5.7	5.0	✓
VOCs (Eastern Canada List) by Headspace GC-MS	E611D	1921931	2	39	5.1	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
Conductivity in Water	E100 ALS Environmental - Waterloo	Water	APHA 2510 (mod)	Conductivity, also known as Electrical Conductivity (EC) or Specific Conductance, is measured by immersion of a conductivity cell with platinum electrodes into a water sample. Conductivity measurements are temperature-compensated to 25°C.
pH by Meter	E108 ALS Environmental - Waterloo	Water	APHA 4500-H (mod)	pH is determined by potentiometric measurement with a pH electrode, and is conducted at ambient laboratory temperature (normally 20 ± 5°C). For high accuracy test results, pH should be measured in the field within the recommended 15 minute hold time.
Chloride in Water by IC	E235.Cl ALS Environmental - Waterloo	Water	EPA 300.1 (mod)	Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.
WAD Cyanide	E336 ALS Environmental - Waterloo	Water	APHA 4500-CN I (mod)	Weak Acid Dissociable (WAD) cyanide is determined by Continuous Flow Analyzer (CFA) with in-line distillation followed by colourmetric analysis.
Dissolved Metals in Water by CRC ICPMS	E421 ALS Environmental - Waterloo	Water	APHA 3030B/EPA 6020B (mod)	Water samples are filtered (0.45 µm), preserved with nitric acid, and analyzed by Collision/Reaction Cell ICPMS. Method Limitation (re: Sulfur): Sulfide and volatile sulfur species may not be recovered by this method.
Dissolved Mercury in Water by CVAAS	E509 ALS Environmental - Waterloo	Water	APHA 3030B/EPA 1631E (mod)	Water samples are filtered (0.45 µm), preserved with HCl, then undergo a cold-oxidation using bromine monochloride prior to reduction with stannous chloride, and analyzed by CVAAS.
Dissolved Hexavalent Chromium (Cr VI) by IC	E532A ALS Environmental - Waterloo	Water	APHA 3500-Cr C (Ion Chromatography)	Hexavalent Chromium is measured by Ion chromatography-Post column reaction and UV detection. sample pretreatment involved field or lab filtration following by sample preservation.
CCME PHC - F1 by Headspace GC-FID (Low Level)	E581.F1-L ALS Environmental - Waterloo	Water	CCME PHC in Soil - Tier 1 (mod)	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. 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
Silica Gel Treated CCME PHCs - F2-F4sg by GC-FID	E601.SG ALS Environmental - Waterloo	Water	CCME PHC in Soil - Tier 1 (mod)	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. Unless qualified, all required quality control criteria of the CCME PHC method have been met, including response factor and linearity requirements.
VOCs (Eastern Canada List) by Headspace GC-MS	E611D ALS Environmental - Waterloo	Water	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 Water by Hexane LVI GC-MS	E641A ALS Environmental - Waterloo	Water	EPA 8270E (mod)	Polycyclic Aromatic Hydrocarbons (PAHs) are analyzed by large volume injection (LVI) GC-MS.
PCB Aroclors by GC-MS	E687 ALS Environmental - Waterloo	Water	EPA 8270E (mod)	PCB Aroclors are analyzed by GC-MS
F1-BTEX	EC580 ALS Environmental - Waterloo	Water	CCME PHC in Soil - Tier 1	F1-BTEX is calculated as follows: F1-BTEX = F1 (C6-C10) minus benzene, toluene, ethylbenzene and xylenes (BTEX).
SUM F1 to F4 where F2-F4 is SG treated	EC581SG ALS Environmental - Waterloo	Water	CCME PHC in Soil - Tier 1	Hydrocarbons, total (C6-C50) is the sum of CCME Fraction F1(C6-C10), F2(C10-C16), F3(C16-C34), and F4(C34-C50), where F2-F4 have been treated with silica gel. F4G-sg is not used within this calculation due to overlap with other fractions.
F2-F4 (sg) minus PAH	EC600SG ALS Environmental - Waterloo	Water	CCME PHC in Soil - Tier 1	F2-F4 (sg) minus PAH is calculated as follows: F2-F4 minus PAH = Sum of CCME Fraction 2 (C10-C16), CCME Fraction 3 (C16-C34), and CCME Fraction 4 (C34-C50), minus select Polycyclic Aromatic Hydrocarbons (PAH).
Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
Dissolved Metals Water Filtration	EP421 ALS Environmental - Waterloo	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HNO3.
Dissolved Mercury Water Filtration	EP509 ALS Environmental - Waterloo	Water	APHA 3030B	Water samples are filtered (0.45 um), and preserved with HCl.
VOCs Preparation for Headspace Analysis	EP581 ALS Environmental - Waterloo	Water	EPA 5021A (mod)	Samples are prepared in headspace vials and are heated and agitated on the headspace autosampler. An aliquot of the headspace is then injected into a GC-MS-FID.

Page : 28 of 28
 Work Order : WT2505933 Amendment 1
 Client : WSP Canada Inc.
 Project : CA0046126.8978



<i>Preparation Methods</i>	<i>Method / Lab</i>	<i>Matrix</i>	<i>Method Reference</i>	<i>Method Descriptions</i>
PHCs and PAHs Hexane Extraction	EP601 ALS Environmental - Waterloo	Water	EPA 3511 (mod)	Petroleum Hydrocarbons (PHCs) and Polycyclic Aromatic Hydrocarbons (PAHs) are extracted using a hexane liquid-liquid extraction.
Pesticides, PCB, and Neutral Extractable Chlorinated Hydrocarbons Extraction	EP660 ALS Environmental - Waterloo	Water	EPA 3511 (mod)	Samples are extracted from aqueous sample using an organic solvent liquid-liquid extraction.

QUALITY CONTROL REPORT

Work Order : **WT2505933**

Page : 1 of 22

Amendment : **1**

Client : WSP Canada Inc.

Contact : Cindy McKee

Address : 11865 County Road 42
Tecumseh ON Canada N8N 0H1

Telephone : ----

Project : CA0046126.8978

PO : P112898CA001

C-O-C number : ----

Sampler : DS

Site : ----

Quote number : 2025 SOA Pricing

No. of samples received : 20

No. of samples analysed : 20

Laboratory : ALS Environmental - Waterloo

Account Manager : Gayle Braun

Address : 60 Northland Road, Unit 1
Waterloo, Ontario Canada N2V 2B8

Telephone : +1 519 886 6910

Date Samples Received : 21-Mar-2025 13:45

Date Analysis Commenced : 23-Mar-2025

Issue Date : 31-Mar-2025 09:16

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
- Method Blank (MB) Report; Recovery and Data Quality Objectives
- Laboratory Control Sample (LCS) Report; Recovery and Data Quality Objectives

Signatories

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

Signatories	Position	Laboratory Department
Jeremy Gingras	Supervisor - Semi-Volatile Instrumentation	Waterloo Organics, Waterloo, Ontario
Kelly Fischer	Technical Specialist	Waterloo Inorganics, Waterloo, Ontario
Sarah Birch	VOC Section Supervisor	Waterloo VOC, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Inorganics, Waterloo, Ontario
Walt Kippenhuck	Supervisor - Inorganic	Waterloo Metals, Waterloo, Ontario



General Comments

The ALS Quality Control (QC) report is optionally provided to ALS clients upon request. ALS test methods include comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against predetermined Data Quality Objectives (DQOs) to provide confidence in the accuracy of associated test results. This report contains detailed results for all QC results applicable to this sample submission. Please refer to the ALS Quality Control Interpretation report (QCI) for applicable method references and methodology summaries.

Key :

Anonymous = Refers to samples which are not part of this work order, but which formed part of the QC process lot.

CAS Number = Chemical Abstracts Service number is a unique identifier assigned to discrete substances.

DQO = Data Quality Objective.

LOR = Limit of Reporting (detection limit).

RPD = Relative Percent Difference

= Indicates a QC result that did not meet the ALS DQO.

Workorder Comments

Holding times are displayed as "---" if no guidance exists from CCME, Canadian provinces, or broadly recognized international references.



Laboratory Duplicate (DUP) Report

A Laboratory Duplicate (DUP) is a randomly selected intralaboratory replicate sample. Laboratory Duplicates provide information regarding method precision and sample heterogeneity. ALS DQOs for Laboratory Duplicates are expressed as test-specific limits for Relative Percent Difference (RPD), or as an absolute difference limit of 2 times the LOR for low concentration duplicates within ~ 4-10 times the LOR (cut-off is test-specific).

Sub-Matrix: Water					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: 1922759)											
WT2505908-001	Anonymous	pH	----	E108	0.10	pH units	8.01	8.10	1.12%	4%	----
Physical Tests (QC Lot: 1922760)											
WT2505908-001	Anonymous	Conductivity	----	E100	2.0	µS/cm	1550	1540	1.10%	10%	----
Anions and Nutrients (QC Lot: 1922756)											
WT2505908-001	Anonymous	Chloride	16887-00-6	E235.Cl	2.50	mg/L	141	141	0.372%	20%	----
Cyanides (QC Lot: 1921413)											
WT2505933-001	MW1	Cyanide, weak acid dissociable	----	E336	0.0020	mg/L	<2.0 µg/L	<0.0020	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 1921288)											
WT2505777-001	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	0.0085 µg/L	0.0000081	0.0000004	Diff <2x LOR	----
Dissolved Metals (QC Lot: 1921650)											
WT2505883-001	Anonymous	Antimony, dissolved	7440-36-0	E421	0.00100	mg/L	0.00100	<0.00100	0.000005	Diff <2x LOR	----
		Arsenic, dissolved	7440-38-2	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Barium, dissolved	7440-39-3	E421	0.00100	mg/L	0.178	0.177	0.480%	20%	----
		Beryllium, dissolved	7440-41-7	E421	0.000200	mg/L	<0.000200	<0.000200	0	Diff <2x LOR	----
		Boron, dissolved	7440-42-8	E421	0.100	mg/L	0.182	0.186	0.003	Diff <2x LOR	----
		Cadmium, dissolved	7440-43-9	E421	0.0000500	mg/L	<0.0000500	<0.0000500	0	Diff <2x LOR	----
		Chromium, dissolved	7440-47-3	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		Cobalt, dissolved	7440-48-4	E421	0.00100	mg/L	<0.00100	<0.00100	0	Diff <2x LOR	----
		Copper, dissolved	7440-50-8	E421	0.00200	mg/L	<0.00200	<0.00200	0	Diff <2x LOR	----
		Lead, dissolved	7439-92-1	E421	0.000500	mg/L	<0.000500	<0.000500	0	Diff <2x LOR	----
		Molybdenum, dissolved	7439-98-7	E421	0.000500	mg/L	0.0387	0.0387	0.0181%	20%	----
		Nickel, dissolved	7440-02-0	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		Selenium, dissolved	7782-49-2	E421	0.000500	mg/L	<0.000500	0.000527	0.000027	Diff <2x LOR	----
		Silver, dissolved	7440-22-4	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Sodium, dissolved	7440-23-5	E421	0.500	mg/L	353	354	0.358%	20%	----
		Thallium, dissolved	7440-28-0	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Uranium, dissolved	7440-61-1	E421	0.000100	mg/L	<0.000100	<0.000100	0	Diff <2x LOR	----
		Vanadium, dissolved	7440-62-2	E421	0.00500	mg/L	<0.00500	<0.00500	0	Diff <2x LOR	----
		Zinc, dissolved	7440-66-6	E421	0.0100	mg/L	<0.0100	<0.0100	0	Diff <2x LOR	----
Dissolved Metals (QC Lot: 1922828)											

Page : 4 of 22
 Work Order : WT2505933 Amendment 1
 Client : WSP Canada Inc.
 Project : CA0046126.8978



Sub-Matrix: Water					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
Dissolved Metals (QC Lot: 1922828) - continued											
WT2505526-005	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000050	mg/L	<0.0050 µg/L	<0.0000050	0	Diff <2x LOR	----
Speciated Metals (QC Lot: 1923198)											
WT2505933-001	MW1	Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.00050	mg/L	<0.50 µg/L	<0.00050	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 1921931)											
WT2505899-002	Anonymous	Acetone	67-64-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Benzene	71-43-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromomethane	74-83-9	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dibromoethane, 1,2-	106-93-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorodifluoromethane	75-71-8	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,1-	75-34-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,2-	107-06-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, 1,1-	75-35-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, cis-1,2-	156-59-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, trans-1,2-	156-60-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloromethane	75-09-2	E611D	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		Dichloropropane, 1,2-	78-87-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Ethylbenzene	100-41-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Hexane, n-	110-54-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Styrene	100-42-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----



Sub-Matrix: Water					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: 1921931) - continued											
WT2505899-002	Anonymous	Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethylene	127-18-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Toluene	108-88-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,1-	71-55-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,2-	79-00-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethylene	79-01-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichlorofluoromethane	75-69-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Vinyl chloride	75-01-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611D	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
Volatile Organic Compounds (QC Lot: 1922713)											
WT2505784-001	Anonymous	Acetone	67-64-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Benzene	71-43-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromodichloromethane	75-27-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromoform	75-25-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Bromomethane	74-83-9	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Carbon tetrachloride	56-23-5	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Chlorobenzene	108-90-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Chloroform	67-66-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dibromochloromethane	124-48-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dibromoethane, 1,2-	106-93-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Dichlorobenzene, 1,2-	95-50-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,3-	541-73-1	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorobenzene, 1,4-	106-46-7	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichlorodifluoromethane	75-71-8	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,1-	75-34-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethane, 1,2-	107-06-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, 1,1-	75-35-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, cis-1,2-	156-59-2	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloroethylene, trans-1,2-	156-60-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloromethane	75-09-2	E611D	1.0	µg/L	<1.0	<1.0	0	Diff <2x LOR	----
		Dichloropropane, 1,2-	78-87-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----



Sub-Matrix: Water					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: 1922713) - continued											
WT2505784-001	Anonymous	Ethylbenzene	100-41-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Hexane, n-	110-54-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	<20	0	Diff <2x LOR	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Styrene	100-42-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Tetrachloroethylene	127-18-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Toluene	108-88-3	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,1-	71-55-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethane, 1,1,2-	79-00-5	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichloroethylene	79-01-6	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Trichlorofluoromethane	75-69-4	E611D	0.50	µg/L	<0.50	<0.50	0	Diff <2x LOR	----
		Vinyl chloride	75-01-4	E611D	0.20	µg/L	<0.20	<0.20	0	Diff <2x LOR	----
		Xylene, m+p-	179601-23-1	E611D	0.40	µg/L	<0.40	<0.40	0	Diff <2x LOR	----
		Xylene, o-	95-47-6	E611D	0.30	µg/L	<0.30	<0.30	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 1921933)											
WT2505899-002	Anonymous	F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	<25	0	Diff <2x LOR	----
Hydrocarbons (QC Lot: 1922714)											
WT2505784-001	Anonymous	F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	<25	0	Diff <2x LOR	----



Method Blank (MB) Report

A Method Blank is an analyte-free matrix that undergoes sample processing identical to that carried out for test samples. Method Blank results are used to monitor and control for potential contamination from the laboratory environment and reagents. For most tests, the DQO for Method Blanks is for the result to be < LOR.

Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Physical Tests (QCLot: 1922760)						
Conductivity	---	E100	1	µS/cm	<1.0	---
Anions and Nutrients (QCLot: 1922756)						
Chloride	16887-00-6	E235.Cl	0.5	mg/L	<0.50	---
Cyanides (QCLot: 1921413)						
Cyanide, weak acid dissociable	---	E336	0.002	mg/L	<0.0020	---
Dissolved Metals (QCLot: 1921288)						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	---
Dissolved Metals (QCLot: 1921650)						
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	<0.00010	---
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	<0.00010	---
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	<0.00010	---
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	<0.000020	---
Boron, dissolved	7440-42-8	E421	0.01	mg/L	<0.010	---
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	<0.0000050	---
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	<0.00050	---
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	<0.00010	---
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	<0.00020	---
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	<0.000050	---
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	<0.000050	---
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	<0.00050	---
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	<0.000050	---
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	<0.000010	---
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	<0.050	---
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	<0.000010	---
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	<0.000010	---
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	<0.00050	---
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	<0.0010	---
Dissolved Metals (QCLot: 1922828)						
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	<0.0000050	---
Speciated Metals (QCLot: 1923198)						
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	<0.00050	---
Volatile Organic Compounds (QCLot: 1921931)						



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 1921931) - continued						
Acetone	67-64-1	E611D	20	µg/L	<20	----
Benzene	71-43-2	E611D	0.5	µg/L	<0.50	----
Bromodichloromethane	75-27-4	E611D	0.5	µg/L	<0.50	----
Bromoform	75-25-2	E611D	0.5	µg/L	<0.50	----
Bromomethane	74-83-9	E611D	0.5	µg/L	<0.50	----
Carbon tetrachloride	56-23-5	E611D	0.2	µg/L	<0.20	----
Chlorobenzene	108-90-7	E611D	0.5	µg/L	<0.50	----
Chloroform	67-66-3	E611D	0.5	µg/L	<0.50	----
Dibromochloromethane	124-48-1	E611D	0.5	µg/L	<0.50	----
Dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	<0.20	----
Dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	<0.50	----
Dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	<0.50	----
Dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	<0.50	----
Dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	<0.50	----
Dichloromethane	75-09-2	E611D	1	µg/L	<1.0	----
Dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	<0.50	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	<0.30	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	<0.30	----
Ethylbenzene	100-41-4	E611D	0.5	µg/L	<0.50	----
Hexane, n-	110-54-3	E611D	0.5	µg/L	<0.50	----
Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	<0.50	----
Styrene	100-42-5	E611D	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	<0.50	----
Tetrachloroethylene	127-18-4	E611D	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611D	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	<0.50	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 1921931) - continued						
Trichloroethylene	79-01-6	E611D	0.5	µg/L	<0.50	----
Trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	<0.50	----
Vinyl chloride	75-01-4	E611D	0.2	µg/L	<0.20	----
Xylene, m+p-	179601-23-1	E611D	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611D	0.3	µg/L	<0.30	----
Volatile Organic Compounds (QCLot: 1922713)						
Acetone	67-64-1	E611D	20	µg/L	<20	----
Benzene	71-43-2	E611D	0.5	µg/L	<0.50	----
Bromodichloromethane	75-27-4	E611D	0.5	µg/L	<0.50	----
Bromoform	75-25-2	E611D	0.5	µg/L	<0.50	----
Bromomethane	74-83-9	E611D	0.5	µg/L	<0.50	----
Carbon tetrachloride	56-23-5	E611D	0.2	µg/L	<0.20	----
Chlorobenzene	108-90-7	E611D	0.5	µg/L	<0.50	----
Chloroform	67-66-3	E611D	0.5	µg/L	<0.50	----
Dibromochloromethane	124-48-1	E611D	0.5	µg/L	<0.50	----
Dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	<0.20	----
Dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	<0.50	----
Dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	<0.50	----
Dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	<0.50	----
Dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	<0.50	----
Dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	<0.50	----
Dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	<0.50	----
Dichloromethane	75-09-2	E611D	1	µg/L	<1.0	----
Dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	<0.50	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	<0.30	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	<0.30	----
Ethylbenzene	100-41-4	E611D	0.5	µg/L	<0.50	----
Hexane, n-	110-54-3	E611D	0.5	µg/L	<0.50	----
Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	<20	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	<20	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	<0.50	----
Styrene	100-42-5	E611D	0.5	µg/L	<0.50	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Volatile Organic Compounds (QCLot: 1922713) - continued						
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	<0.50	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	<0.50	----
Tetrachloroethylene	127-18-4	E611D	0.5	µg/L	<0.50	----
Toluene	108-88-3	E611D	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	<0.50	----
Trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	<0.50	----
Trichloroethylene	79-01-6	E611D	0.5	µg/L	<0.50	----
Trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	<0.50	----
Vinyl chloride	75-01-4	E611D	0.2	µg/L	<0.20	----
Xylene, m+p-	179601-23-1	E611D	0.4	µg/L	<0.40	----
Xylene, o-	95-47-6	E611D	0.3	µg/L	<0.30	----
Hydrocarbons (QCLot: 1921087)						
F2 (C10-C16)	----	E601.SG	100	µg/L	<100	----
F3 (C16-C34)	----	E601.SG	250	µg/L	<250	----
F4 (C34-C50)	----	E601.SG	250	µg/L	<250	----
Hydrocarbons (QCLot: 1921091)						
F2 (C10-C16)	----	E601.SG	100	µg/L	<100	----
F3 (C16-C34)	----	E601.SG	250	µg/L	<250	----
F4 (C34-C50)	----	E601.SG	250	µg/L	<250	----
Hydrocarbons (QCLot: 1921933)						
F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	----
Hydrocarbons (QCLot: 1922714)						
F1 (C6-C10)	----	E581.F1-L	25	µg/L	<25	----
Polycyclic Aromatic Hydrocarbons (QCLot: 1921089)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----



Sub-Matrix: Water

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 1921089) - continued						
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Polycyclic Aromatic Hydrocarbons (QCLot: 1921090)						
Acenaphthene	83-32-9	E641A	0.01	µg/L	<0.010	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	<0.010	----
Anthracene	120-12-7	E641A	0.01	µg/L	<0.010	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	<0.010	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	<0.0050	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	<0.010	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	<0.010	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	<0.010	----
Chrysene	218-01-9	E641A	0.01	µg/L	<0.010	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	<0.0050	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	<0.010	----
Fluorene	86-73-7	E641A	0.01	µg/L	<0.010	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	<0.010	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	<0.010	----
Naphthalene	91-20-3	E641A	0.05	µg/L	<0.050	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	<0.020	----
Pyrene	129-00-0	E641A	0.01	µg/L	<0.010	----
Polychlorinated Biphenyls (QCLot: 1921085)						
Aroclor 1016	12674-11-2	E687	0.02	µg/L	<0.020	----
Aroclor 1221	11104-28-2	E687	0.02	µg/L	<0.020	----
Aroclor 1232	11141-16-5	E687	0.02	µg/L	<0.020	----
Aroclor 1242	53469-21-9	E687	0.02	µg/L	<0.020	----
Aroclor 1248	12672-29-6	E687	0.02	µg/L	<0.020	----
Aroclor 1254	11097-69-1	E687	0.02	µg/L	<0.020	----
Aroclor 1260	11096-82-5	E687	0.02	µg/L	<0.020	----
Aroclor 1262	37324-23-5	E687	0.02	µg/L	<0.020	----



Sub-Matrix: **Water**

Analyte	CAS Number	Method	LOR	Unit	Result	Qualifier
Polychlorinated Biphenyls (QCLot: 1921085) - continued						
Aroclor 1268	11100-14-4	E687	0.02	µg/L	<0.020	----



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: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Physical Tests (QCLot: 1922759)									
pH	----	E108	----	pH units	7 pH units	101	98.0	102	----
Physical Tests (QCLot: 1922760)									
Conductivity	----	E100	1	µS/cm	1410 µS/cm	103	90.0	110	----
Anions and Nutrients (QCLot: 1922756)									
Chloride	16887-00-6	E235.Cl	0.5	mg/L	100 mg/L	99.8	90.0	110	----
Cyanides (QCLot: 1921413)									
Cyanide, weak acid dissociable	----	E336	0.002	mg/L	0.125 mg/L	97.6	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0 mg/L	98.0	80.0	120	----
Dissolved Metals (QCLot: 1921650)									
Antimony, dissolved	7440-36-0	E421	0.0001	mg/L	0.05 mg/L	103	80.0	120	----
Arsenic, dissolved	7440-38-2	E421	0.0001	mg/L	0.05 mg/L	105	80.0	120	----
Barium, dissolved	7440-39-3	E421	0.0001	mg/L	0.012 mg/L	102	80.0	120	----
Beryllium, dissolved	7440-41-7	E421	0.00002	mg/L	0.005 mg/L	96.5	80.0	120	----
Boron, dissolved	7440-42-8	E421	0.01	mg/L	0.05 mg/L	90.7	80.0	120	----
Cadmium, dissolved	7440-43-9	E421	0.000005	mg/L	0.005 mg/L	109	80.0	120	----
Chromium, dissolved	7440-47-3	E421	0.0005	mg/L	0.012 mg/L	102	80.0	120	----
Cobalt, dissolved	7440-48-4	E421	0.0001	mg/L	0.012 mg/L	101	80.0	120	----
Copper, dissolved	7440-50-8	E421	0.0002	mg/L	0.012 mg/L	102	80.0	120	----
Lead, dissolved	7439-92-1	E421	0.00005	mg/L	0.025 mg/L	104	80.0	120	----
Molybdenum, dissolved	7439-98-7	E421	0.00005	mg/L	0.012 mg/L	103	80.0	120	----
Nickel, dissolved	7440-02-0	E421	0.0005	mg/L	0.025 mg/L	102	80.0	120	----
Selenium, dissolved	7782-49-2	E421	0.00005	mg/L	0.05 mg/L	99.7	80.0	120	----
Silver, dissolved	7440-22-4	E421	0.00001	mg/L	0.005 mg/L	94.0	80.0	120	----
Sodium, dissolved	7440-23-5	E421	0.05	mg/L	2.5 mg/L	103	80.0	120	----
Thallium, dissolved	7440-28-0	E421	0.00001	mg/L	0.05 mg/L	104	80.0	120	----
Uranium, dissolved	7440-61-1	E421	0.00001	mg/L	0 mg/L	104	80.0	120	----
Vanadium, dissolved	7440-62-2	E421	0.0005	mg/L	0.025 mg/L	103	80.0	120	----
Zinc, dissolved	7440-66-6	E421	0.001	mg/L	0.025 mg/L	106	80.0	120	----
Mercury, dissolved	7439-97-6	E509	0.000005	mg/L	0 mg/L	98.1	80.0	120	----



Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Speciated Metals (QCLot: 1923198)									
Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0005	mg/L	0.025 mg/L	103	80.0	120	----
Volatile Organic Compounds (QCLot: 1921931)									
Acetone	67-64-1	E611D	20	µg/L	100 µg/L	101	70.0	130	----
Benzene	71-43-2	E611D	0.5	µg/L	100 µg/L	109	70.0	130	----
Bromodichloromethane	75-27-4	E611D	0.5	µg/L	100 µg/L	92.2	70.0	130	----
Bromoform	75-25-2	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
Bromomethane	74-83-9	E611D	0.5	µg/L	100 µg/L	81.5	60.0	140	----
Carbon tetrachloride	56-23-5	E611D	0.2	µg/L	100 µg/L	111	70.0	130	----
Chlorobenzene	108-90-7	E611D	0.5	µg/L	100 µg/L	115	70.0	130	----
Chloroform	67-66-3	E611D	0.5	µg/L	100 µg/L	95.5	70.0	130	----
Dibromochloromethane	124-48-1	E611D	0.5	µg/L	100 µg/L	97.9	70.0	130	----
Dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	100 µg/L	98.4	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	100 µg/L	107	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	100 µg/L	120	70.0	130	----
Dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	100 µg/L	119	70.0	130	----
Dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	100 µg/L	117	60.0	140	----
Dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	100 µg/L	107	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	100 µg/L	87.9	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	100 µg/L	117	70.0	130	----
Dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	100 µg/L	116	70.0	130	----
Dichloromethane	75-09-2	E611D	1	µg/L	100 µg/L	104	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	100 µg/L	93.6	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	100 µg/L	108	70.0	130	----
Ethylbenzene	100-41-4	E611D	0.5	µg/L	100 µg/L	130	70.0	130	----
Hexane, n-	110-54-3	E611D	0.5	µg/L	100 µg/L	130	70.0	130	----
Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	100 µg/L	95.0	70.0	130	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	100 µg/L	73.6	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	100 µg/L	107	70.0	130	----
Styrene	100-42-5	E611D	0.5	µg/L	100 µg/L	113	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	100 µg/L	105	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
Tetrachloroethylene	127-18-4	E611D	0.5	µg/L	100 µg/L	130	70.0	130	----
Toluene	108-88-3	E611D	0.5	µg/L	100 µg/L	128	70.0	130	----



Sub-Matrix: Water

					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: 1921931) - continued									
Trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	100 µg/L	110	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	100 µg/L	100	70.0	130	----
Trichloroethylene	79-01-6	E611D	0.5	µg/L	100 µg/L	111	70.0	130	----
Trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	100 µg/L	107	60.0	140	----
Vinyl chloride	75-01-4	E611D	0.2	µg/L	100 µg/L	114	60.0	140	----
Xylene, m+p-	179601-23-1	E611D	0.4	µg/L	200 µg/L	129	70.0	130	----
Xylene, o-	95-47-6	E611D	0.3	µg/L	100 µg/L	120	70.0	130	----
Volatile Organic Compounds (QCLot: 1922713)									
Acetone	67-64-1	E611D	20	µg/L	100 µg/L	115	70.0	130	----
Benzene	71-43-2	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Bromodichloromethane	75-27-4	E611D	0.5	µg/L	100 µg/L	111	70.0	130	----
Bromoform	75-25-2	E611D	0.5	µg/L	100 µg/L	107	70.0	130	----
Bromomethane	74-83-9	E611D	0.5	µg/L	100 µg/L	86.7	60.0	140	----
Carbon tetrachloride	56-23-5	E611D	0.2	µg/L	100 µg/L	116	70.0	130	----
Chlorobenzene	108-90-7	E611D	0.5	µg/L	100 µg/L	109	70.0	130	----
Chloroform	67-66-3	E611D	0.5	µg/L	100 µg/L	116	70.0	130	----
Dibromochloromethane	124-48-1	E611D	0.5	µg/L	100 µg/L	118	70.0	130	----
Dibromoethane, 1,2-	106-93-4	E611D	0.2	µg/L	100 µg/L	104	70.0	130	----
Dichlorobenzene, 1,2-	95-50-1	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
Dichlorobenzene, 1,3-	541-73-1	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Dichlorobenzene, 1,4-	106-46-7	E611D	0.5	µg/L	100 µg/L	99.4	70.0	130	----
Dichlorodifluoromethane	75-71-8	E611D	0.5	µg/L	100 µg/L	98.0	60.0	140	----
Dichloroethane, 1,1-	75-34-3	E611D	0.5	µg/L	100 µg/L	109	70.0	130	----
Dichloroethane, 1,2-	107-06-2	E611D	0.5	µg/L	100 µg/L	108	70.0	130	----
Dichloroethylene, 1,1-	75-35-4	E611D	0.5	µg/L	100 µg/L	106	70.0	130	----
Dichloroethylene, cis-1,2-	156-59-2	E611D	0.5	µg/L	100 µg/L	113	70.0	130	----
Dichloroethylene, trans-1,2-	156-60-5	E611D	0.5	µg/L	100 µg/L	113	70.0	130	----
Dichloromethane	75-09-2	E611D	1	µg/L	100 µg/L	111	70.0	130	----
Dichloropropane, 1,2-	78-87-5	E611D	0.5	µg/L	100 µg/L	106	70.0	130	----
Dichloropropylene, cis-1,3-	10061-01-5	E611D	0.3	µg/L	100 µg/L	101	70.0	130	----
Dichloropropylene, trans-1,3-	10061-02-6	E611D	0.3	µg/L	100 µg/L	94.2	70.0	130	----
Ethylbenzene	100-41-4	E611D	0.5	µg/L	100 µg/L	101	70.0	130	----
Hexane, n-	110-54-3	E611D	0.5	µg/L	100 µg/L	109	70.0	130	----
Methyl ethyl ketone [MEK]	78-93-3	E611D	20	µg/L	100 µg/L	98.5	70.0	130	----
Methyl isobutyl ketone [MIBK]	108-10-1	E611D	20	µg/L	100 µg/L	99.5	70.0	130	----
Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	0.5	µg/L	100 µg/L	95.3	70.0	130	----



Sub-Matrix: Water					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
Volatile Organic Compounds (QCLot: 1922713) - continued									
Styrene	100-42-5	E611D	0.5	µg/L	100 µg/L	103	70.0	130	----
Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	0.5	µg/L	100 µg/L	112	70.0	130	----
Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	0.5	µg/L	100 µg/L	104	70.0	130	----
Tetrachloroethylene	127-18-4	E611D	0.5	µg/L	100 µg/L	113	70.0	130	----
Toluene	108-88-3	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Trichloroethane, 1,1,1-	71-55-6	E611D	0.5	µg/L	100 µg/L	110	70.0	130	----
Trichloroethane, 1,1,2-	79-00-5	E611D	0.5	µg/L	100 µg/L	102	70.0	130	----
Trichloroethylene	79-01-6	E611D	0.5	µg/L	100 µg/L	115	70.0	130	----
Trichlorofluoromethane	75-69-4	E611D	0.5	µg/L	100 µg/L	109	60.0	140	----
Vinyl chloride	75-01-4	E611D	0.2	µg/L	100 µg/L	97.9	60.0	140	----
Xylene, m+p-	179601-23-1	E611D	0.4	µg/L	200 µg/L	99.8	70.0	130	----
Xylene, o-	95-47-6	E611D	0.3	µg/L	100 µg/L	99.8	70.0	130	----
Hydrocarbons (QCLot: 1921087)									
F2 (C10-C16)	----	E601.SG	100	µg/L	3770 µg/L	108	70.0	130	----
F3 (C16-C34)	----	E601.SG	250	µg/L	7760 µg/L	110	70.0	130	----
F4 (C34-C50)	----	E601.SG	250	µg/L	4200 µg/L	106	70.0	130	----
Hydrocarbons (QCLot: 1921091)									
F2 (C10-C16)	----	E601.SG	100	µg/L	3770 µg/L	95.0	70.0	130	----
F3 (C16-C34)	----	E601.SG	250	µg/L	7760 µg/L	107	70.0	130	----
F4 (C34-C50)	----	E601.SG	250	µg/L	4200 µg/L	102	70.0	130	----
Hydrocarbons (QCLot: 1921933)									
F1 (C6-C10)	----	E581.F1-L	25	µg/L	2000 µg/L	108	80.0	120	----
Hydrocarbons (QCLot: 1922714)									
F1 (C6-C10)	----	E581.F1-L	25	µg/L	2000 µg/L	104	80.0	120	----
Polycyclic Aromatic Hydrocarbons (QCLot: 1921089)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.526 µg/L	104	50.0	140	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.526 µg/L	98.1	50.0	140	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.526 µg/L	91.4	50.0	140	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.526 µg/L	96.9	50.0	140	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.526 µg/L	88.7	50.0	140	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.526 µg/L	93.5	50.0	140	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.526 µg/L	74.7	50.0	140	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.526 µg/L	96.3	50.0	140	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.526 µg/L	99.0	50.0	140	----



Sub-Matrix: Water

					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polycyclic Aromatic Hydrocarbons (QCLot: 1921089) - continued									
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.526 µg/L	87.1	50.0	140	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.526 µg/L	102	50.0	140	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.526 µg/L	101	50.0	140	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.526 µg/L	96.5	50.0	140	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.526 µg/L	99.6	50.0	140	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.526 µg/L	102	50.0	140	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.526 µg/L	101	50.0	140	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.526 µg/L	99.3	50.0	140	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.526 µg/L	99.7	50.0	140	----
Polycyclic Aromatic Hydrocarbons (QCLot: 1921090)									
Acenaphthene	83-32-9	E641A	0.01	µg/L	0.526 µg/L	98.8	50.0	140	----
Acenaphthylene	208-96-8	E641A	0.01	µg/L	0.526 µg/L	91.9	50.0	140	----
Anthracene	120-12-7	E641A	0.01	µg/L	0.526 µg/L	85.1	50.0	140	----
Benz(a)anthracene	56-55-3	E641A	0.01	µg/L	0.526 µg/L	120	50.0	140	----
Benzo(a)pyrene	50-32-8	E641A	0.005	µg/L	0.526 µg/L	97.8	50.0	140	----
Benzo(b+j)fluoranthene	n/a	E641A	0.01	µg/L	0.526 µg/L	107	50.0	140	----
Benzo(g,h,i)perylene	191-24-2	E641A	0.01	µg/L	0.526 µg/L	86.6	50.0	140	----
Benzo(k)fluoranthene	207-08-9	E641A	0.01	µg/L	0.526 µg/L	85.8	50.0	140	----
Chrysene	218-01-9	E641A	0.01	µg/L	0.526 µg/L	104	50.0	140	----
Dibenz(a,h)anthracene	53-70-3	E641A	0.005	µg/L	0.526 µg/L	95.9	50.0	140	----
Fluoranthene	206-44-0	E641A	0.01	µg/L	0.526 µg/L	103	50.0	140	----
Fluorene	86-73-7	E641A	0.01	µg/L	0.526 µg/L	104	50.0	140	----
Indeno(1,2,3-c,d)pyrene	193-39-5	E641A	0.01	µg/L	0.526 µg/L	110	50.0	140	----
Methylnaphthalene, 1-	90-12-0	E641A	0.01	µg/L	0.526 µg/L	95.2	50.0	140	----
Methylnaphthalene, 2-	91-57-6	E641A	0.01	µg/L	0.526 µg/L	97.0	50.0	140	----
Naphthalene	91-20-3	E641A	0.05	µg/L	0.526 µg/L	96.2	50.0	140	----
Phenanthrene	85-01-8	E641A	0.02	µg/L	0.526 µg/L	109	50.0	140	----
Pyrene	129-00-0	E641A	0.01	µg/L	0.526 µg/L	102	50.0	140	----
Polychlorinated Biphenyls (QCLot: 1921085)									
Aroclor 1016	12674-11-2	E687	0.02	µg/L	0.2 µg/L	101	60.0	140	----
Aroclor 1221	11104-28-2	E687	0.02	µg/L	0.2 µg/L	101	60.0	140	----
Aroclor 1232	11141-16-5	E687	0.02	µg/L	0.2 µg/L	101	60.0	140	----
Aroclor 1242	53469-21-9	E687	0.02	µg/L	0.2 µg/L	101	60.0	140	----
Aroclor 1248	12672-29-6	E687	0.02	µg/L	0.2 µg/L	89.9	60.0	140	----
Aroclor 1254	11097-69-1	E687	0.02	µg/L	0.2 µg/L	79.9	60.0	140	----



Sub-Matrix: Water					Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					Target Concentration	LCS	Low	High	Qualifier
Analyte	CAS Number	Method	LOR	Unit	Target Concentration	LCS	Low	High	Qualifier
Polychlorinated Biphenyls (QCLot: 1921085) - continued									
Aroclor 1260	11096-82-5	E687	0.02	µg/L	0.2 µg/L	86.1	60.0	140	----
Aroclor 1262	37324-23-5	E687	0.02	µg/L	0.2 µg/L	86.1	60.0	140	----
Aroclor 1268	11100-14-4	E687	0.02	µg/L	0.2 µg/L	86.1	60.0	140	----



Matrix Spike (MS) Report

A Matrix Spike (MS) is a randomly selected intra-laboratory replicate sample that has been fortified (spiked) with test analytes at known concentration, and processed in an identical manner to test samples. Matrix Spikes provide information regarding analyte recovery and potential matrix effects. MS DQO exceedances due to sample matrix may sometimes be unavoidable; in such cases, test results for the associated sample (or similar samples) may be subject to bias. ND – Recovery not determined, background level >= 1x spike level.

Sub-Matrix: Water					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Anions and Nutrients (QCLot: 1922756)										
WT2505908-001	Anonymous	Chloride	16887-00-6	E235.Cl	490 mg/L	500 mg/L	98.1	75.0	125	----
Cyanides (QCLot: 1921413)										
WT2505933-001	MW1	Cyanide, weak acid dissociable	----	E336	0.120 mg/L	0.125 mg/L	95.8	75.0	125	----
Dissolved Metals (QCLot: 1921288)										
WT2505777-006	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000925 mg/L	0 mg/L	92.5	70.0	130	----
Dissolved Metals (QCLot: 1921650)										
WT2505883-001	Anonymous	Antimony, dissolved	7440-36-0	E421	0.486 mg/L	0.5 mg/L	97.3	70.0	130	----
		Arsenic, dissolved	7440-38-2	E421	0.500 mg/L	0.5 mg/L	100	70.0	130	----
		Barium, dissolved	7440-39-3	E421	ND mg/L	----	ND	70.0	130	----
		Beryllium, dissolved	7440-41-7	E421	0.0467 mg/L	0.05 mg/L	93.4	70.0	130	----
		Boron, dissolved	7440-42-8	E421	0.439 mg/L	0.5 mg/L	87.8	70.0	130	----
		Cadmium, dissolved	7440-43-9	E421	0.0514 mg/L	0.05 mg/L	103	70.0	130	----
		Chromium, dissolved	7440-47-3	E421	0.118 mg/L	0.125 mg/L	94.5	70.0	130	----
		Cobalt, dissolved	7440-48-4	E421	0.117 mg/L	0.125 mg/L	93.6	70.0	130	----
		Copper, dissolved	7440-50-8	E421	0.114 mg/L	0.125 mg/L	91.6	70.0	130	----
		Lead, dissolved	7439-92-1	E421	0.235 mg/L	0.25 mg/L	94.1	70.0	130	----
		Molybdenum, dissolved	7439-98-7	E421	0.122 mg/L	0.125 mg/L	97.3	70.0	130	----
		Nickel, dissolved	7440-02-0	E421	0.232 mg/L	0.25 mg/L	92.6	70.0	130	----
		Selenium, dissolved	7782-49-2	E421	0.453 mg/L	0.5 mg/L	90.6	70.0	130	----
		Silver, dissolved	7440-22-4	E421	0.0432 mg/L	0.05 mg/L	86.4	70.0	130	----
		Sodium, dissolved	7440-23-5	E421	ND mg/L	----	ND	70.0	130	----
		Thallium, dissolved	7440-28-0	E421	0.468 mg/L	0.5 mg/L	93.6	70.0	130	----
		Uranium, dissolved	7440-61-1	E421	0.00238 mg/L	0.002 mg/L	95.3	70.0	130	----
		Vanadium, dissolved	7440-62-2	E421	0.245 mg/L	0.25 mg/L	97.8	70.0	130	----
		Zinc, dissolved	7440-66-6	E421	0.232 mg/L	0.25 mg/L	92.7	70.0	130	----
Dissolved Metals (QCLot: 1922828)										
WT2505526-006	Anonymous	Mercury, dissolved	7439-97-6	E509	0.0000889 mg/L	0 mg/L	88.9	70.0	130	----
Speciated Metals (QCLot: 1923198)										
WT2505933-001	MW1	Chromium, hexavalent [Cr VI], dissolved	18540-29-9	E532A	0.0422 mg/L	0.04 mg/L	105	70.0	130	----
Volatile Organic Compounds (QCLot: 1921931)										
WT2505899-002	Anonymous	Acetone	67-64-1	E611D	134 µg/L	100 µg/L	134	60.0	140	----
		Benzene	71-43-2	E611D	104 µg/L	100 µg/L	104	60.0	140	----
		Bromodichloromethane	75-27-4	E611D	103 µg/L	100 µg/L	103	60.0	140	----
		Bromoform	75-25-2	E611D	108 µg/L	100 µg/L	108	60.0	140	----
		Bromomethane	74-83-9	E611D	75.8 µg/L	100 µg/L	75.8	60.0	140	----



Sub-Matrix: **Water**

Sub-Matrix: Water					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: 1921931) - continued										
WT2505899-002	Anonymous	Carbon tetrachloride	56-23-5	E611D	88.9 µg/L	100 µg/L	88.9	60.0	140	----
		Chlorobenzene	108-90-7	E611D	108 µg/L	100 µg/L	108	60.0	140	----
		Chloroform	67-66-3	E611D	93.3 µg/L	100 µg/L	93.3	60.0	140	----
		Dibromochloromethane	124-48-1	E611D	110 µg/L	100 µg/L	110	60.0	140	----
		Dibromoethane, 1,2-	106-93-4	E611D	116 µg/L	100 µg/L	116	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611D	98.3 µg/L	100 µg/L	98.3	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Dichlorodifluoromethane	75-71-8	E611D	85.2 µg/L	100 µg/L	85.2	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611D	99.4 µg/L	100 µg/L	99.4	60.0	140	----
		Dichloroethane, 1,2-	107-06-2	E611D	103 µg/L	100 µg/L	103	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611D	93.0 µg/L	100 µg/L	93.0	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611D	103 µg/L	100 µg/L	103	60.0	140	----
		Dichloroethylene, trans-1,2-	156-60-5	E611D	99.3 µg/L	100 µg/L	99.3	60.0	140	----
		Dichloromethane	75-09-2	E611D	106 µg/L	100 µg/L	106	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611D	108 µg/L	100 µg/L	108	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611D	111 µg/L	100 µg/L	111	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611D	119 µg/L	100 µg/L	119	60.0	140	----
		Ethylbenzene	100-41-4	E611D	104 µg/L	100 µg/L	104	60.0	140	----
		Hexane, n-	110-54-3	E611D	96.1 µg/L	100 µg/L	96.1	60.0	140	----
		Methyl ethyl ketone [MEK]	78-93-3	E611D	141 µg/L	100 µg/L	141	60.0	140	MES
		Methyl isobutyl ketone [MIBK]	108-10-1	E611D	125 µg/L	100 µg/L	125	60.0	140	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	99.0 µg/L	100 µg/L	99.0	60.0	140	----
		Styrene	100-42-5	E611D	112 µg/L	100 µg/L	112	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	103 µg/L	100 µg/L	103	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	113 µg/L	100 µg/L	113	60.0	140	----
		Tetrachloroethylene	127-18-4	E611D	93.9 µg/L	100 µg/L	93.9	60.0	140	----
		Toluene	108-88-3	E611D	104 µg/L	100 µg/L	104	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611D	90.8 µg/L	100 µg/L	90.8	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611D	113 µg/L	100 µg/L	113	60.0	140	----
		Trichloroethylene	79-01-6	E611D	96.7 µg/L	100 µg/L	96.7	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611D	85.3 µg/L	100 µg/L	85.3	60.0	140	----
		Vinyl chloride	75-01-4	E611D	91.0 µg/L	100 µg/L	91.0	60.0	140	----
		Xylene, m+p-	179601-23-1	E611D	204 µg/L	200 µg/L	102	60.0	140	----
		Xylene, o-	95-47-6	E611D	104 µg/L	100 µg/L	104	60.0	140	----
Volatile Organic Compounds (QCLot: 1922713)										
WT2505784-001	Anonymous	Acetone	67-64-1	E611D	113 µg/L	100 µg/L	113	60.0	140	----
		Benzene	71-43-2	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Bromodichloromethane	75-27-4	E611D	114 µg/L	100 µg/L	114	60.0	140	----
		Bromoform	75-25-2	E611D	110 µg/L	100 µg/L	110	60.0	140	----
		Bromomethane	74-83-9	E611D	76.5 µg/L	100 µg/L	76.5	60.0	140	----
		Carbon tetrachloride	56-23-5	E611D	111 µg/L	100 µg/L	111	60.0	140	----
		Chlorobenzene	108-90-7	E611D	108 µg/L	100 µg/L	108	60.0	140	----
		Chloroform	67-66-3	E611D	116 µg/L	100 µg/L	116	60.0	140	----



Sub-Matrix: Water					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: 1922713) - continued										
WT2505784-001	Anonymous	Dibromochloromethane	124-48-1	E611D	121 µg/L	100 µg/L	121	60.0	140	----
		Dibromoethane, 1,2-	106-93-4	E611D	107 µg/L	100 µg/L	107	60.0	140	----
		Dichlorobenzene, 1,2-	95-50-1	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Dichlorobenzene, 1,3-	541-73-1	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		Dichlorobenzene, 1,4-	106-46-7	E611D	100.0 µg/L	100 µg/L	100.0	60.0	140	----
		Dichlorodifluoromethane	75-71-8	E611D	64.2 µg/L	100 µg/L	64.2	60.0	140	----
		Dichloroethane, 1,1-	75-34-3	E611D	106 µg/L	100 µg/L	106	60.0	140	----
		Dichloroethane, 1,2-	107-06-2	E611D	112 µg/L	100 µg/L	112	60.0	140	----
		Dichloroethylene, 1,1-	75-35-4	E611D	95.8 µg/L	100 µg/L	95.8	60.0	140	----
		Dichloroethylene, cis-1,2-	156-59-2	E611D	112 µg/L	100 µg/L	112	60.0	140	----
		Dichloroethylene, trans-1,2-	156-60-5	E611D	108 µg/L	100 µg/L	108	60.0	140	----
		Dichloromethane	75-09-2	E611D	110 µg/L	100 µg/L	110	60.0	140	----
		Dichloropropane, 1,2-	78-87-5	E611D	106 µg/L	100 µg/L	106	60.0	140	----
		Dichloropropylene, cis-1,3-	10061-01-5	E611D	105 µg/L	100 µg/L	105	60.0	140	----
		Dichloropropylene, trans-1,3-	10061-02-6	E611D	96.9 µg/L	100 µg/L	96.9	60.0	140	----
		Ethylbenzene	100-41-4	E611D	98.6 µg/L	100 µg/L	98.6	60.0	140	----
		Hexane, n-	110-54-3	E611D	92.8 µg/L	100 µg/L	92.8	60.0	140	----
		Methyl ethyl ketone [MEK]	78-93-3	E611D	101 µg/L	100 µg/L	101	60.0	140	----
		Methyl isobutyl ketone [MIBK]	108-10-1	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		Methyl-tert-butyl ether [MTBE]	1634-04-4	E611D	93.7 µg/L	100 µg/L	93.7	60.0	140	----
		Styrene	100-42-5	E611D	102 µg/L	100 µg/L	102	60.0	140	----
		Tetrachloroethane, 1,1,1,2-	630-20-6	E611D	111 µg/L	100 µg/L	111	60.0	140	----
		Tetrachloroethane, 1,1,2,2-	79-34-5	E611D	105 µg/L	100 µg/L	105	60.0	140	----
		Tetrachloroethylene	127-18-4	E611D	110 µg/L	100 µg/L	110	60.0	140	----
		Toluene	108-88-3	E611D	97.1 µg/L	100 µg/L	97.1	60.0	140	----
		Trichloroethane, 1,1,1-	71-55-6	E611D	106 µg/L	100 µg/L	106	60.0	140	----
		Trichloroethane, 1,1,2-	79-00-5	E611D	105 µg/L	100 µg/L	105	60.0	140	----
		Trichloroethylene	79-01-6	E611D	114 µg/L	100 µg/L	114	60.0	140	----
		Trichlorofluoromethane	75-69-4	E611D	93.7 µg/L	100 µg/L	93.7	60.0	140	----
		Vinyl chloride	75-01-4	E611D	78.2 µg/L	100 µg/L	78.2	60.0	140	----
		Xylene, m+p-	179601-23-1	E611D	196 µg/L	200 µg/L	97.9	60.0	140	----
		Xylene, o-	95-47-6	E611D	97.9 µg/L	100 µg/L	97.9	60.0	140	----
Hydrocarbons (QCLot: 1921933)										
WT2505899-002	Anonymous	F1 (C6-C10)	----	E581.F1-L	1950 µg/L	2000 µg/L	97.5	60.0	140	----
Hydrocarbons (QCLot: 1922714)										
WT2505784-001	Anonymous	F1 (C6-C10)	----	E581.F1-L	1790 µg/L	2000 µg/L	89.4	60.0	140	----

Qualifiers

Qualifier	Description
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).

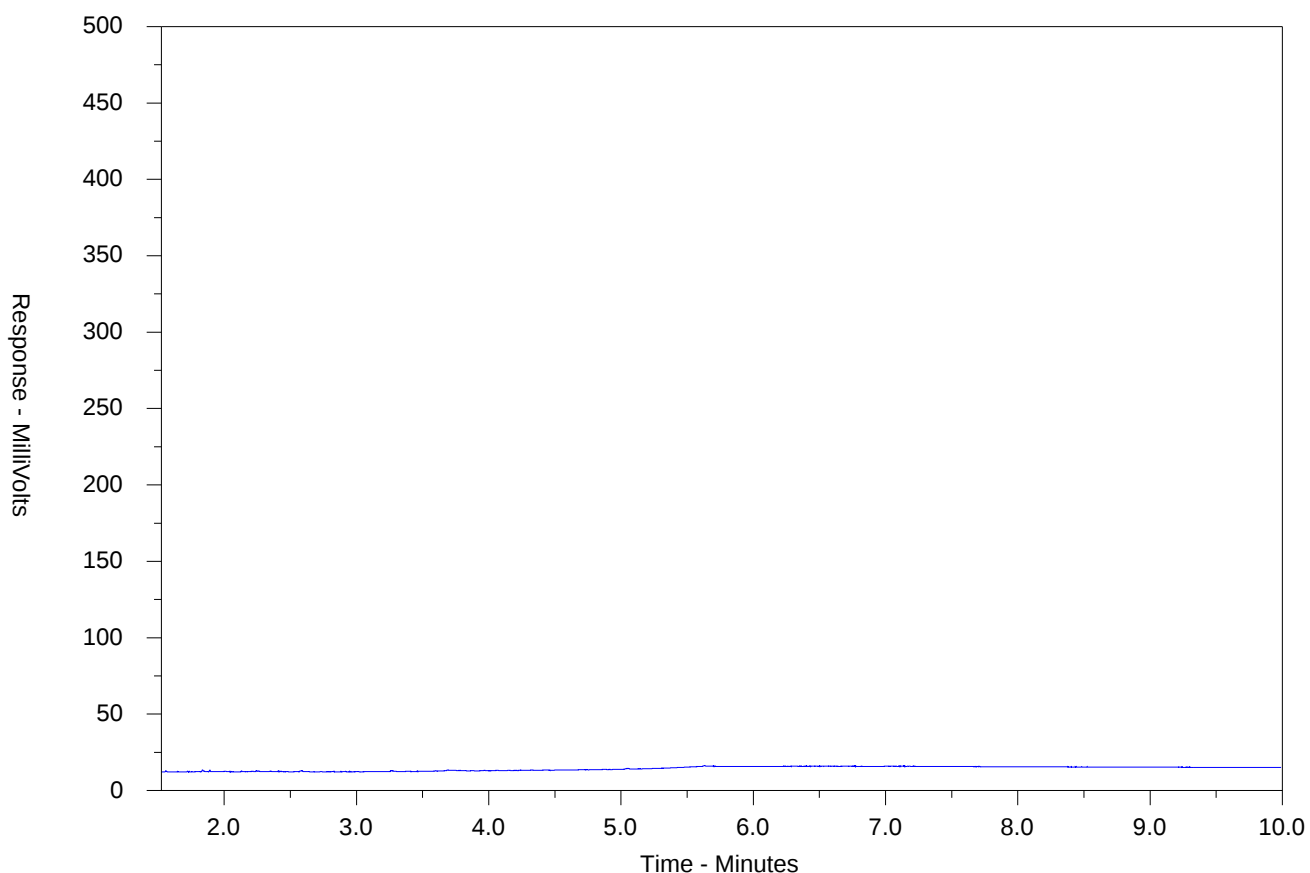


CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-001-E601.SG

Client Sample ID: MW1



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

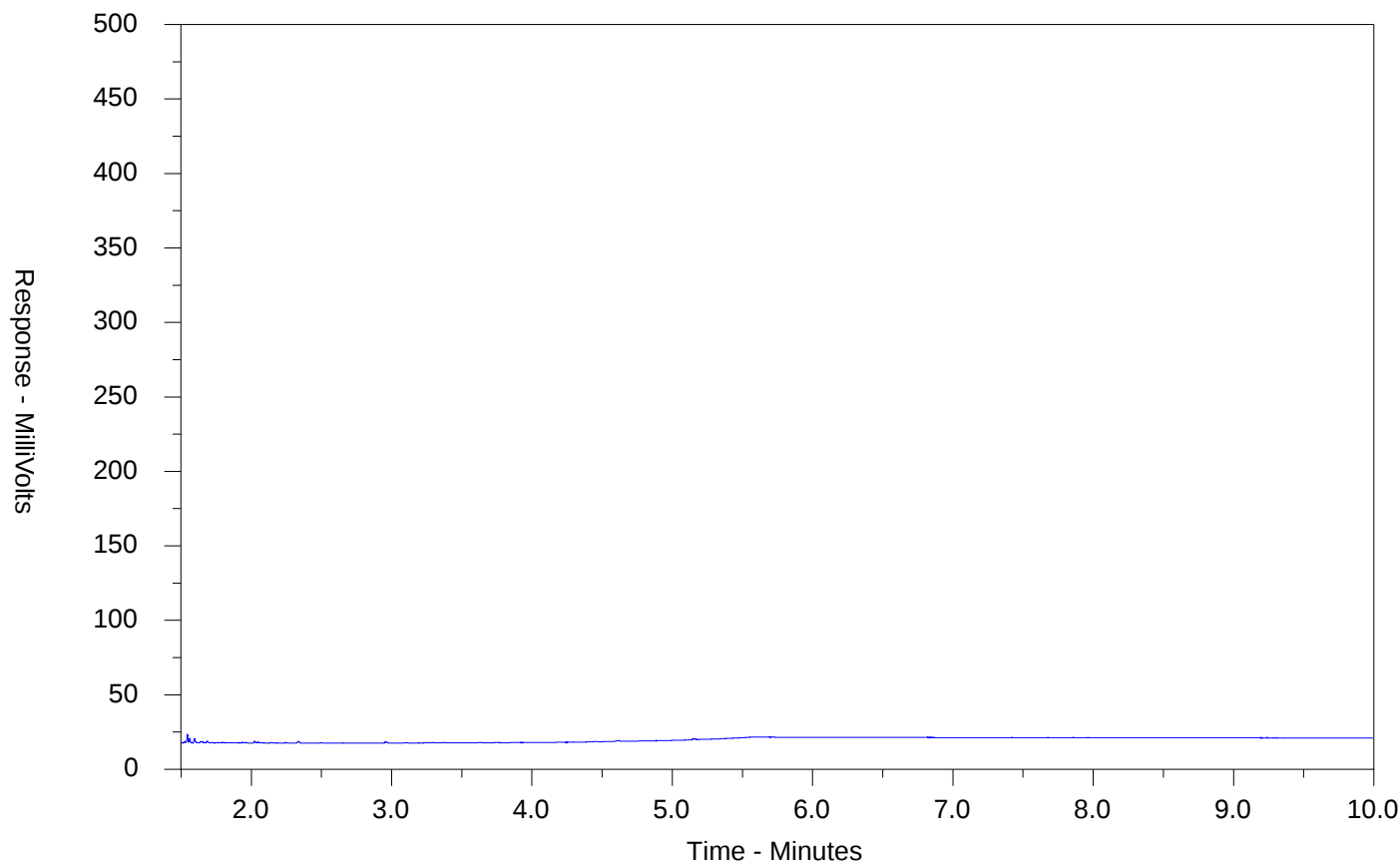
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-002-E601.SG
 Client Sample ID: MW2



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

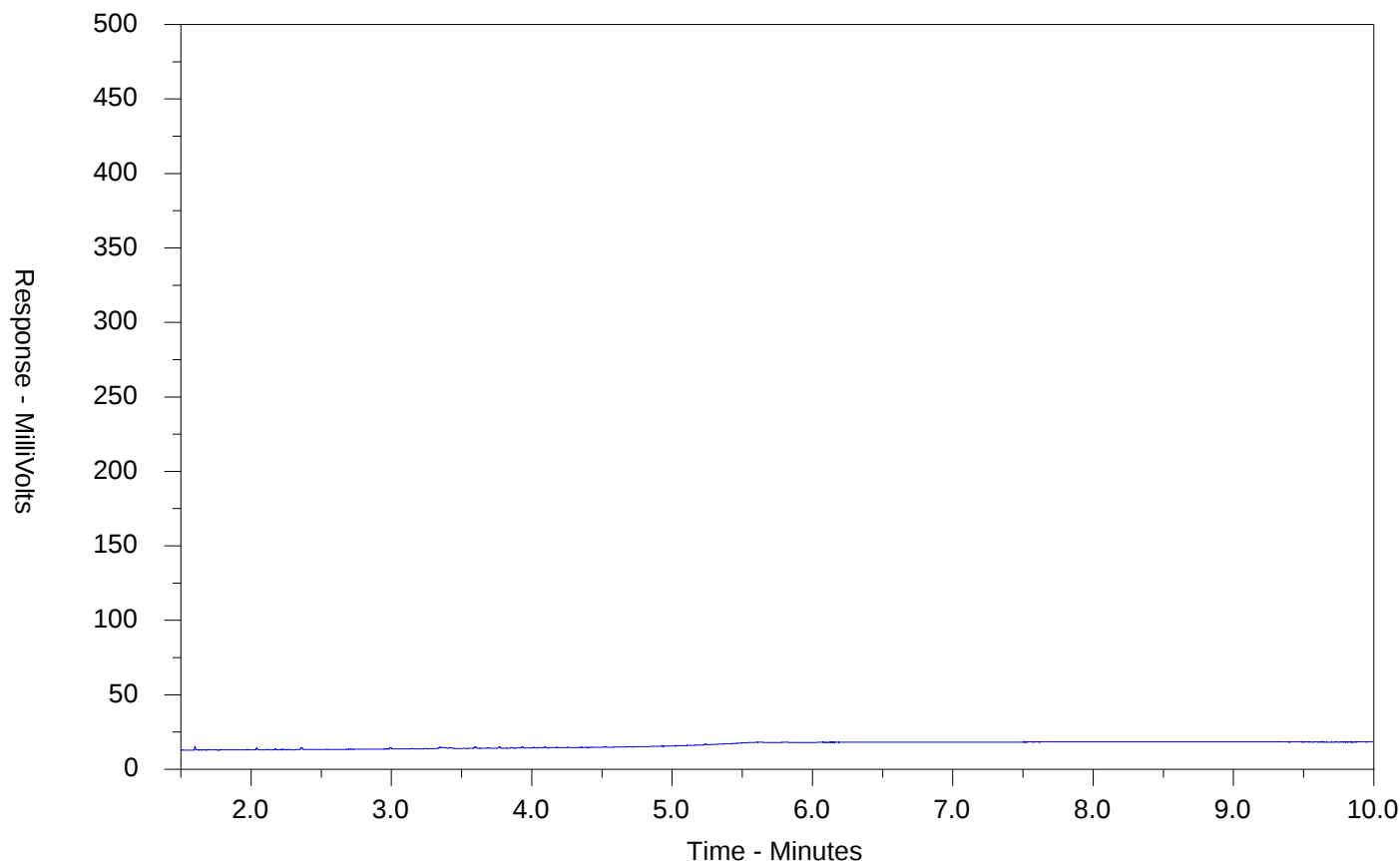
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-003-E601.SG
 Client Sample ID: MW3



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

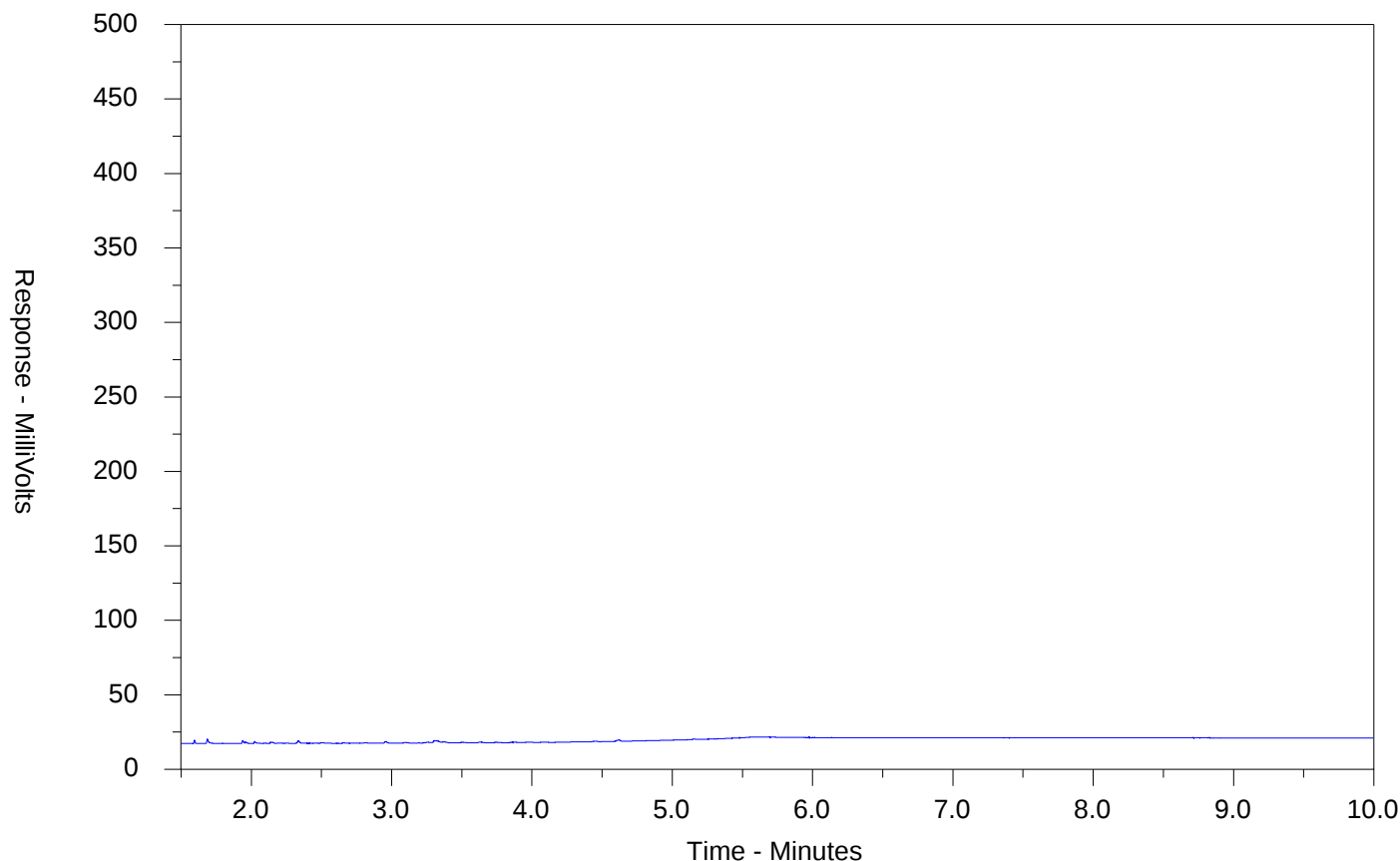
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-004-E601.SG
 Client Sample ID: MW4



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

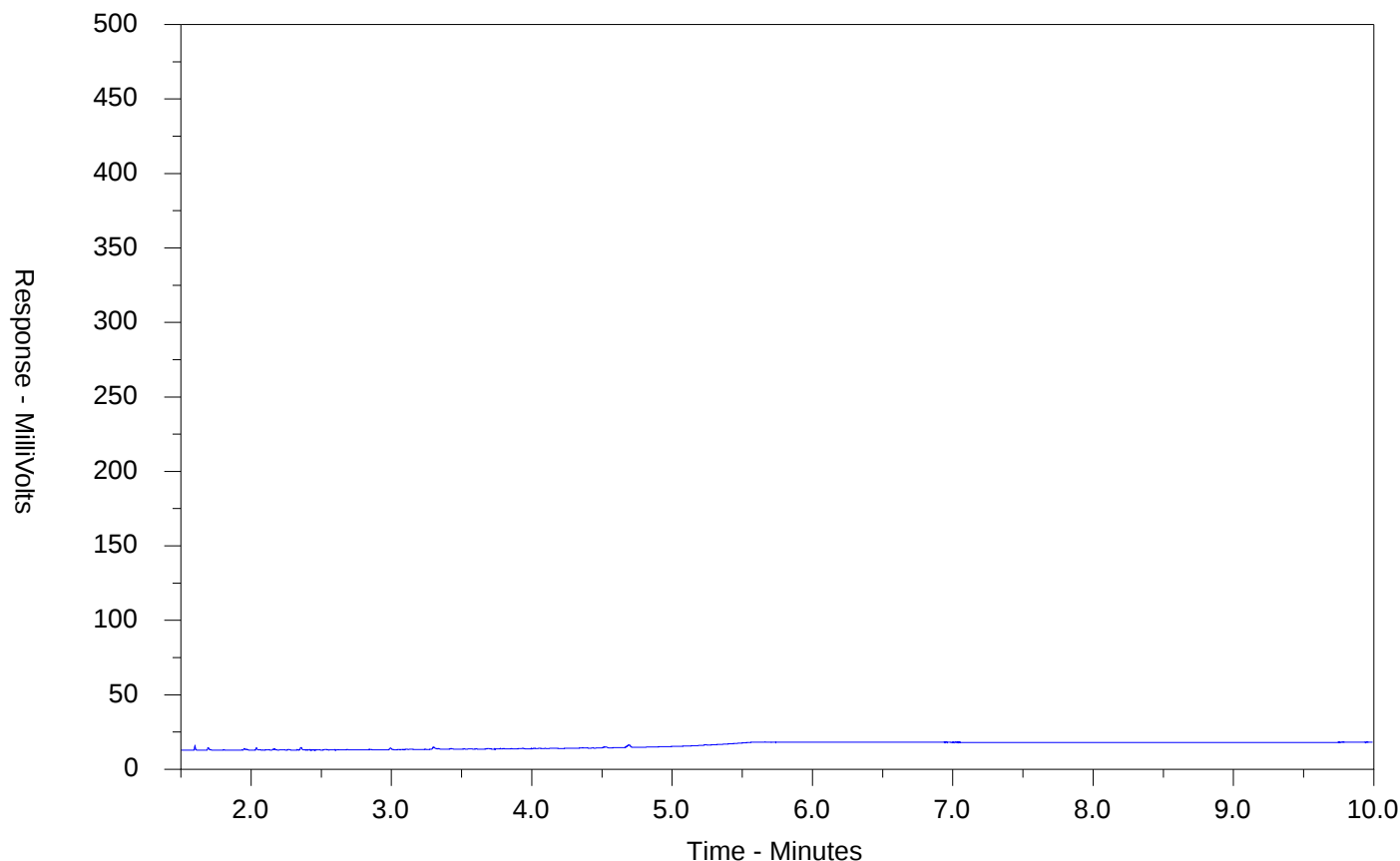
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-005-E601.SG
 Client Sample ID: MW5



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

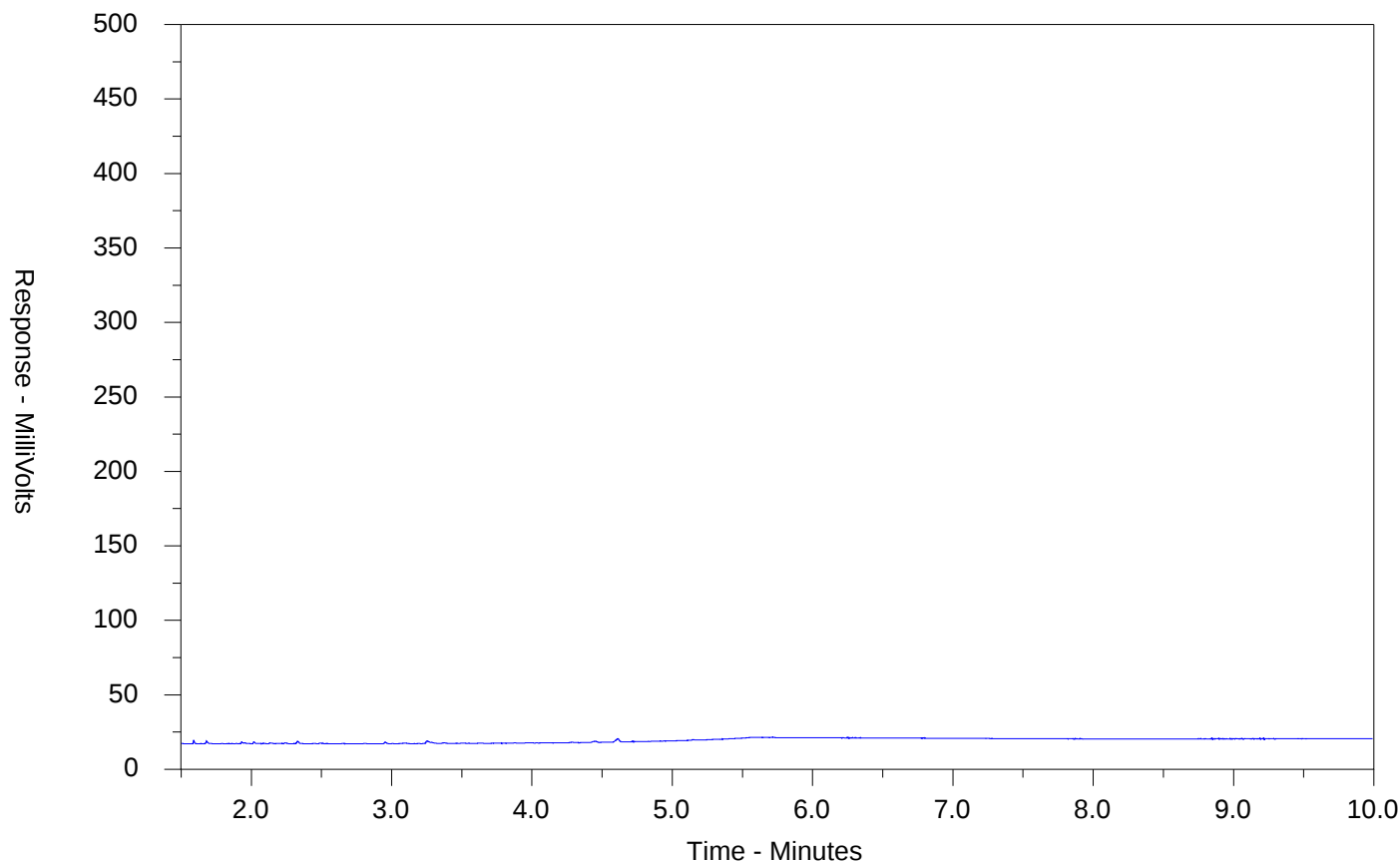
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-006-E601.SG
Client Sample ID: MW6



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

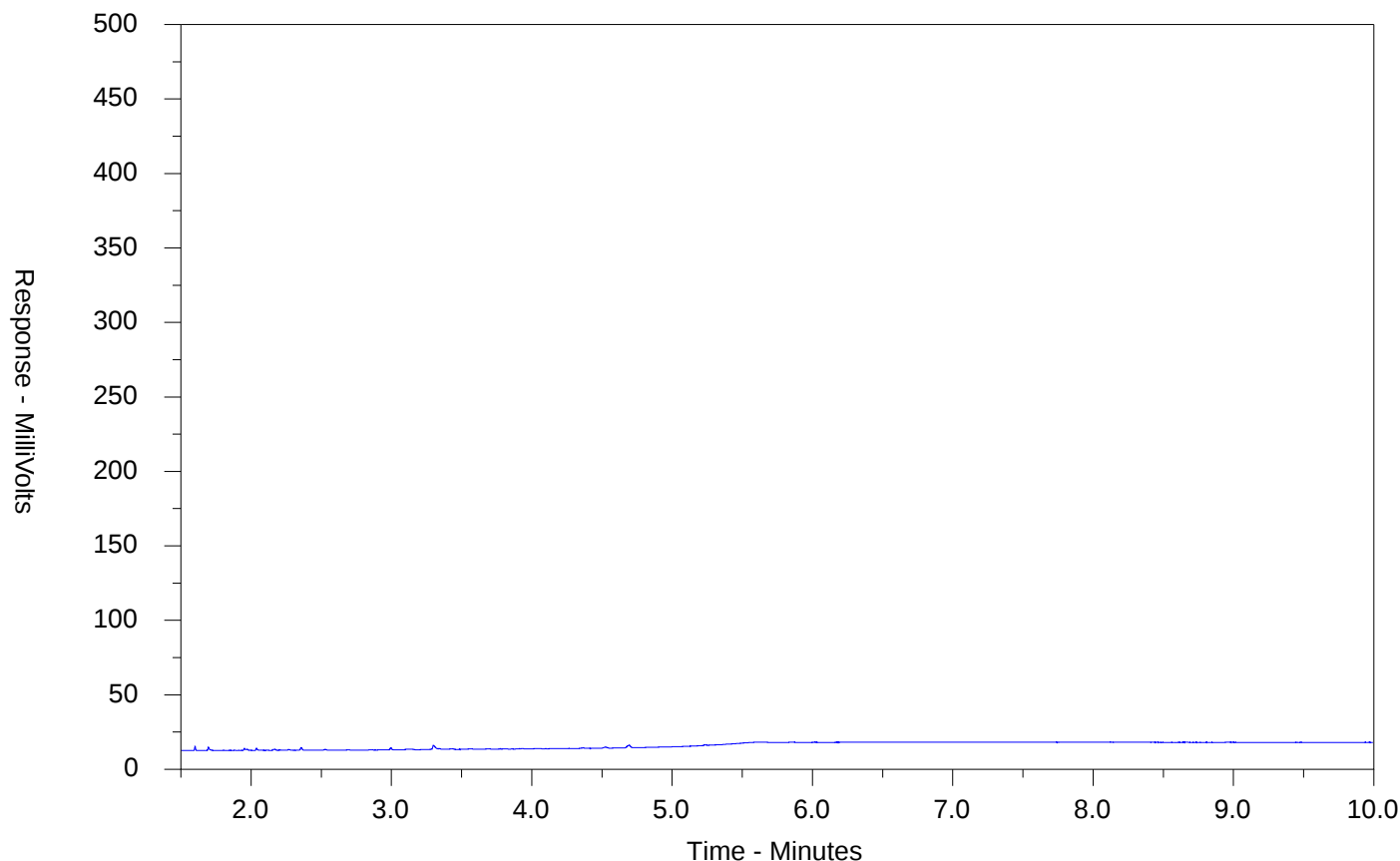
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-007-E601.SG
 Client Sample ID: MW7



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

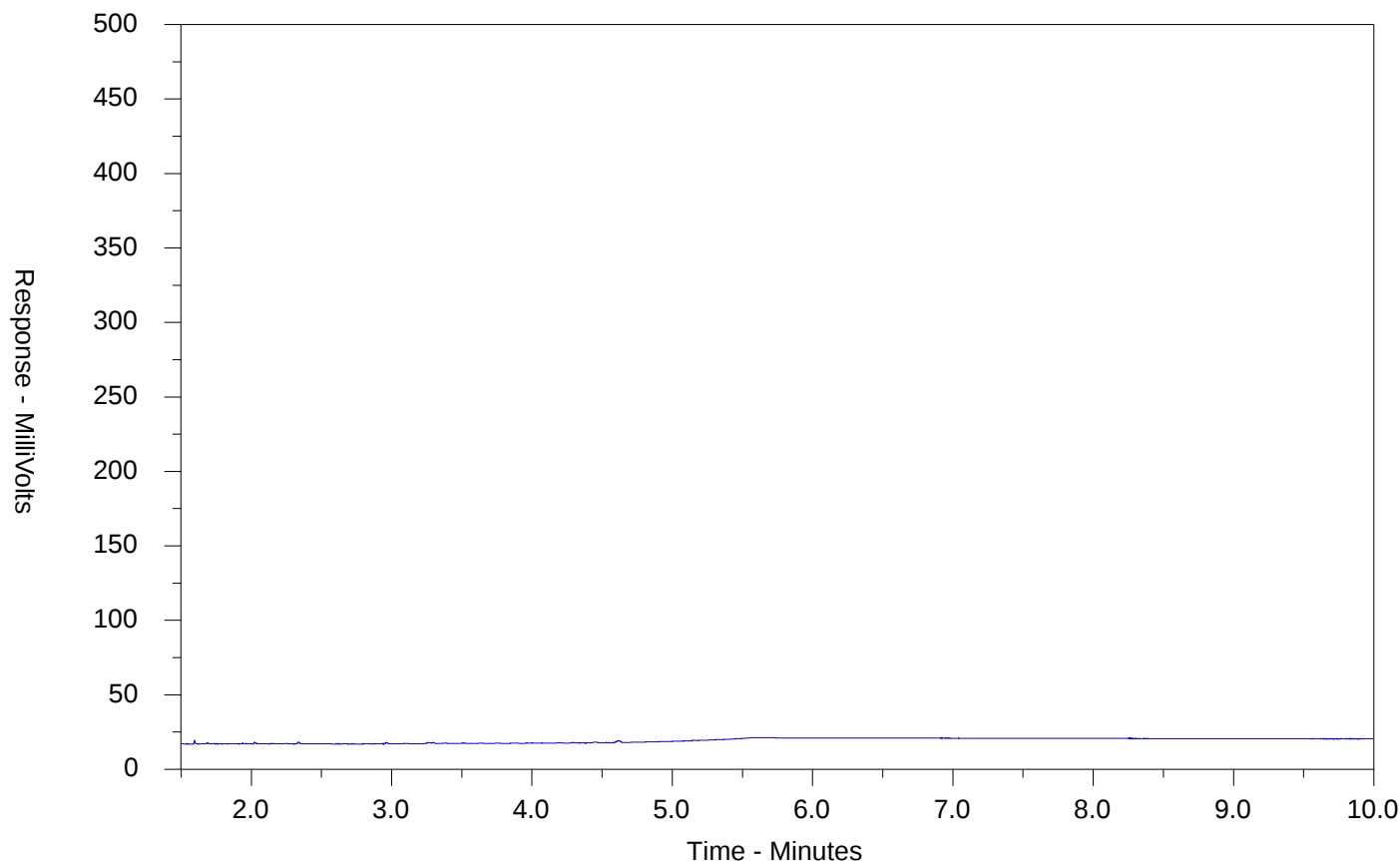
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-008-E601.SG
 Client Sample ID: MW8



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

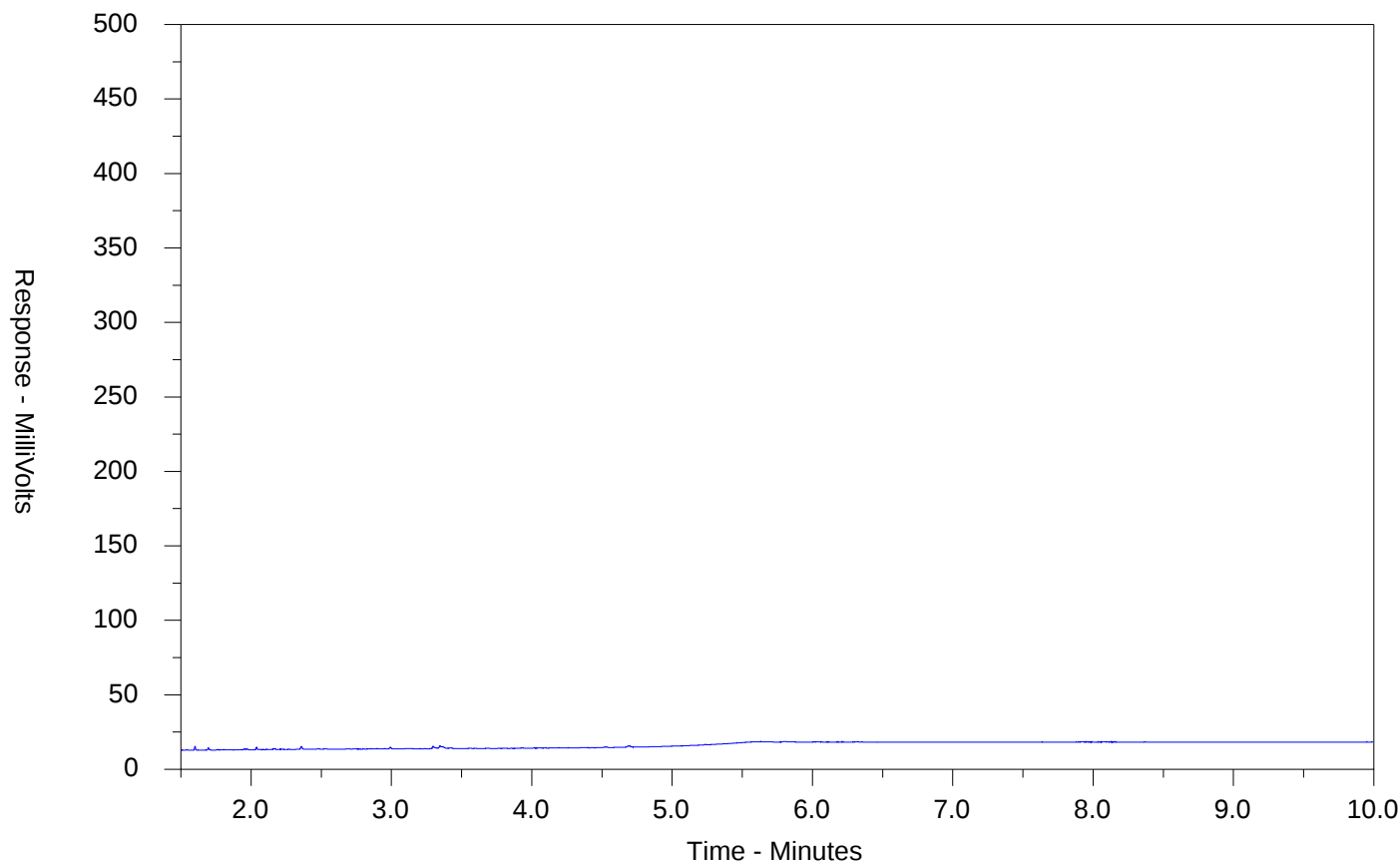
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-009-E601.SG
 Client Sample ID: MW9



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

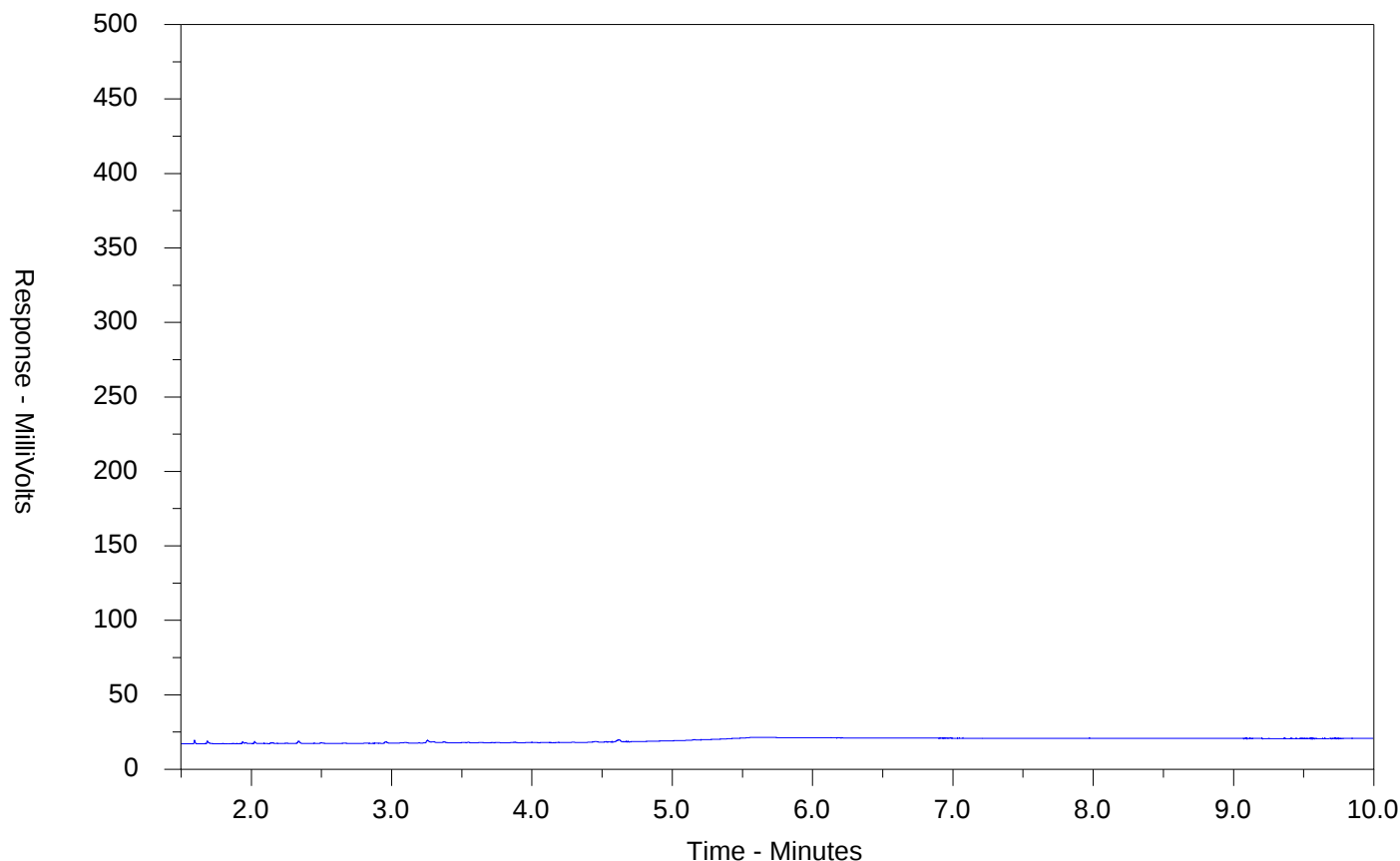
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-010-E601.SG
Client Sample ID: MW10



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

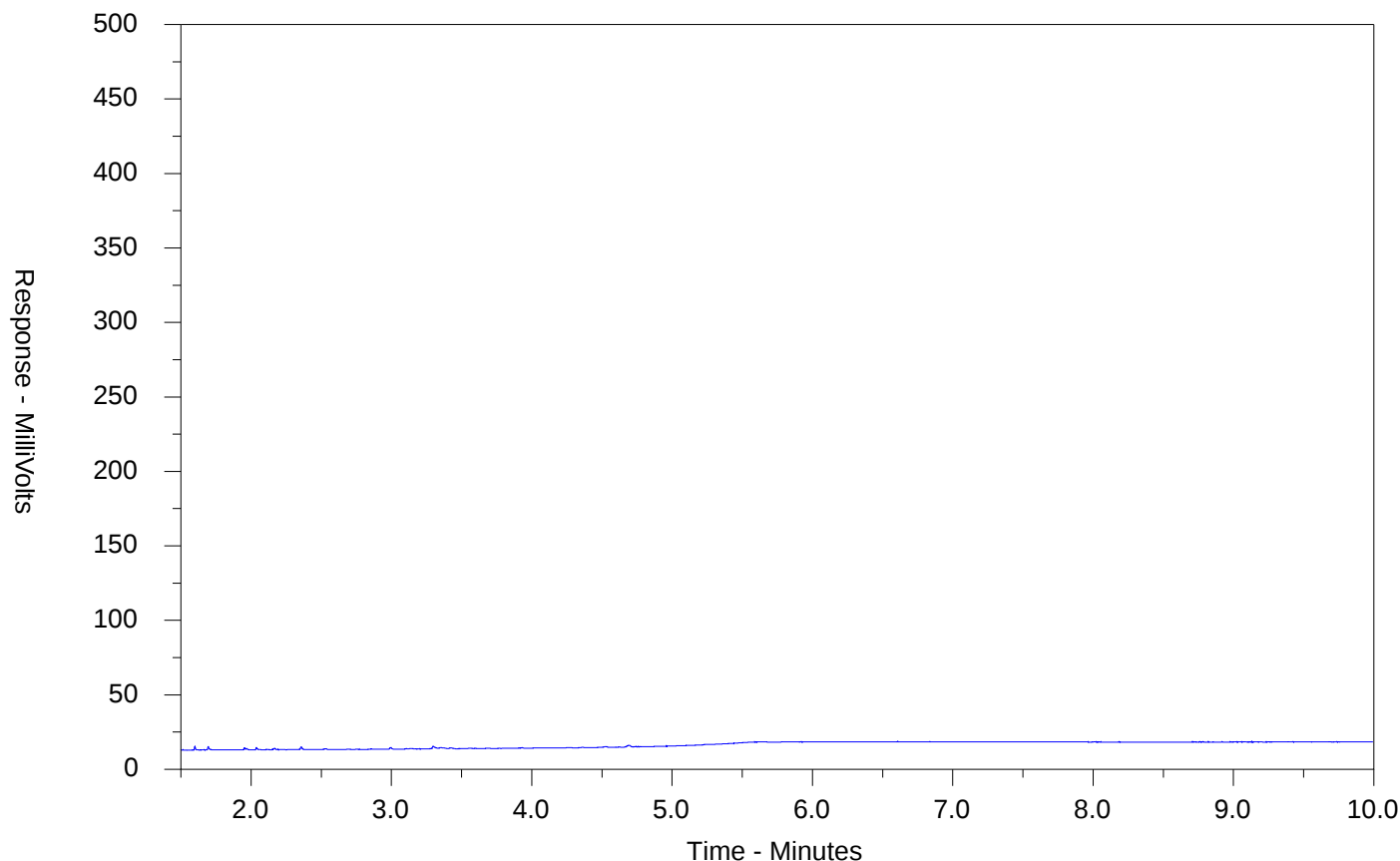
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-011-E601.SG
 Client Sample ID: MW11



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

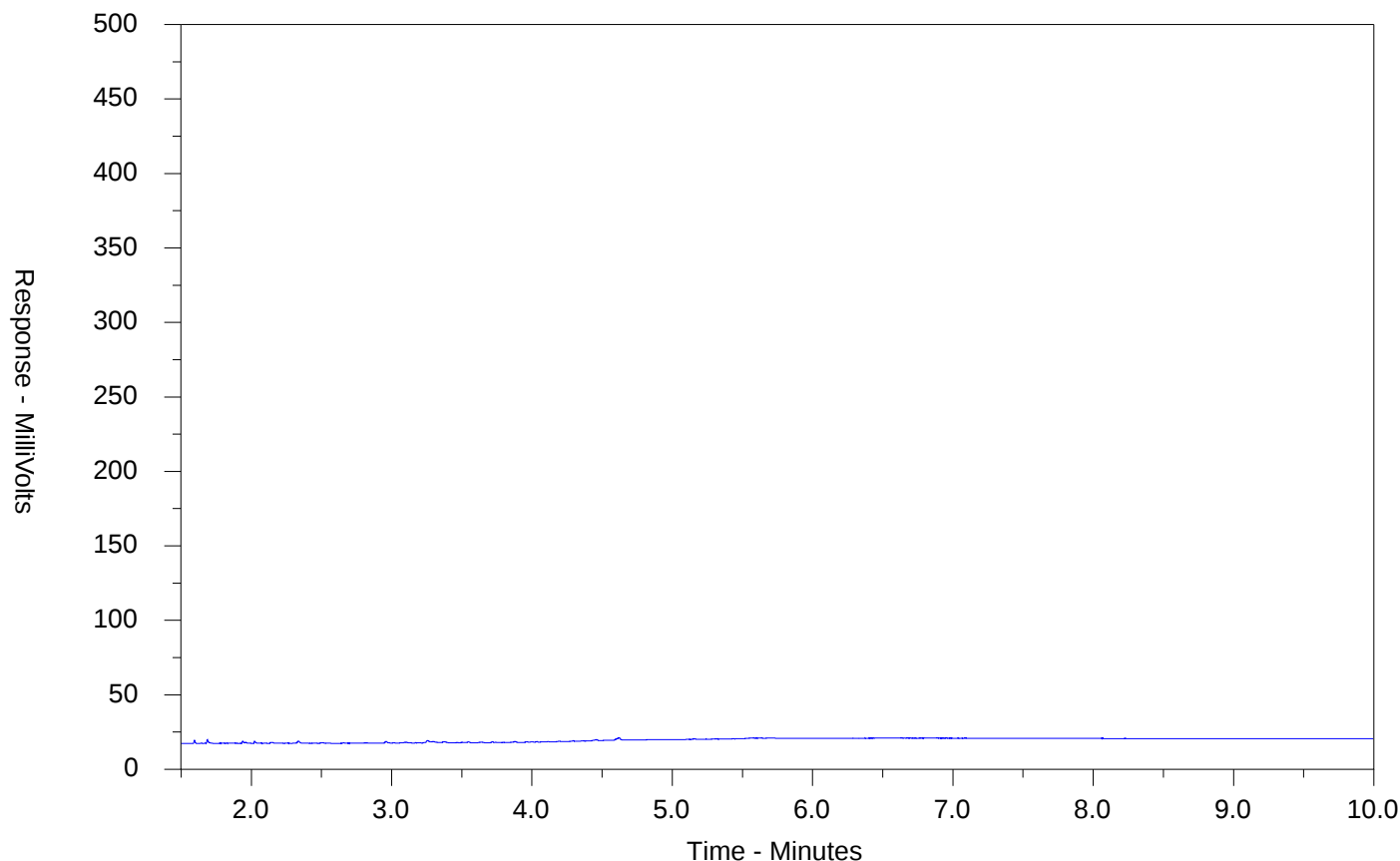
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-012-E601.SG
 Client Sample ID: MW12



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

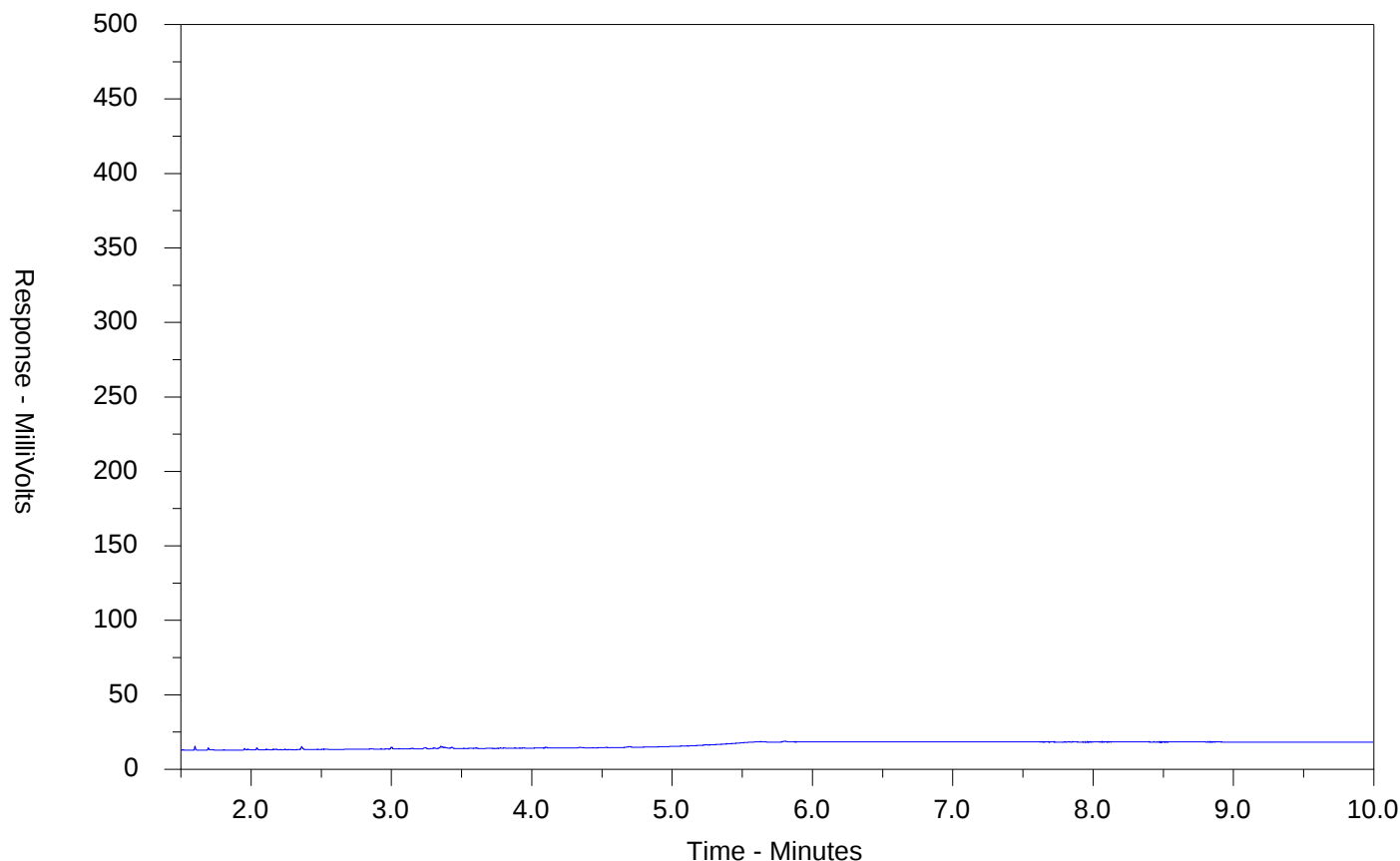
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-013-E601.SG
 Client Sample ID: MW13



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

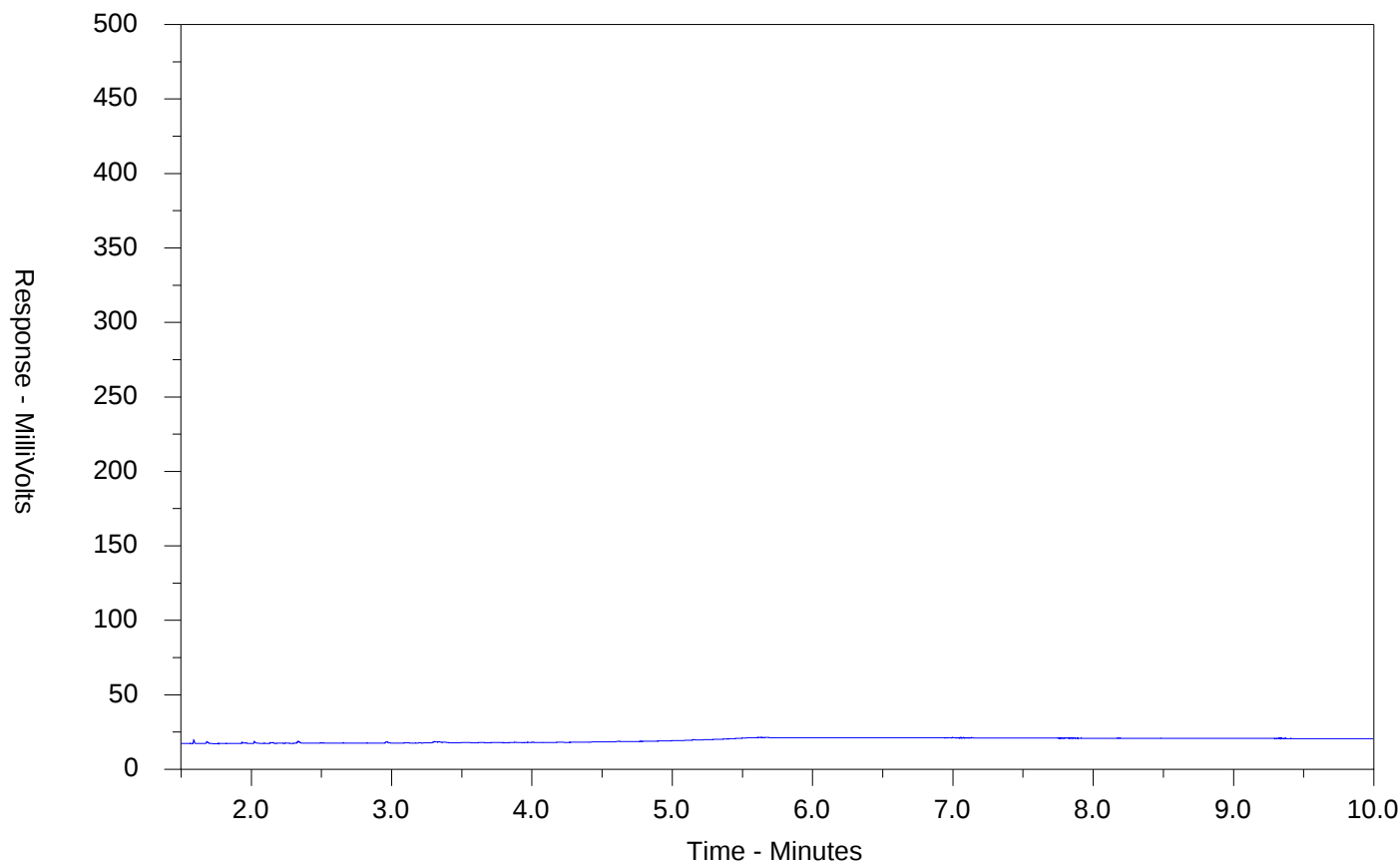
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-014-E601.SG
 Client Sample ID: DUPW-WD1



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

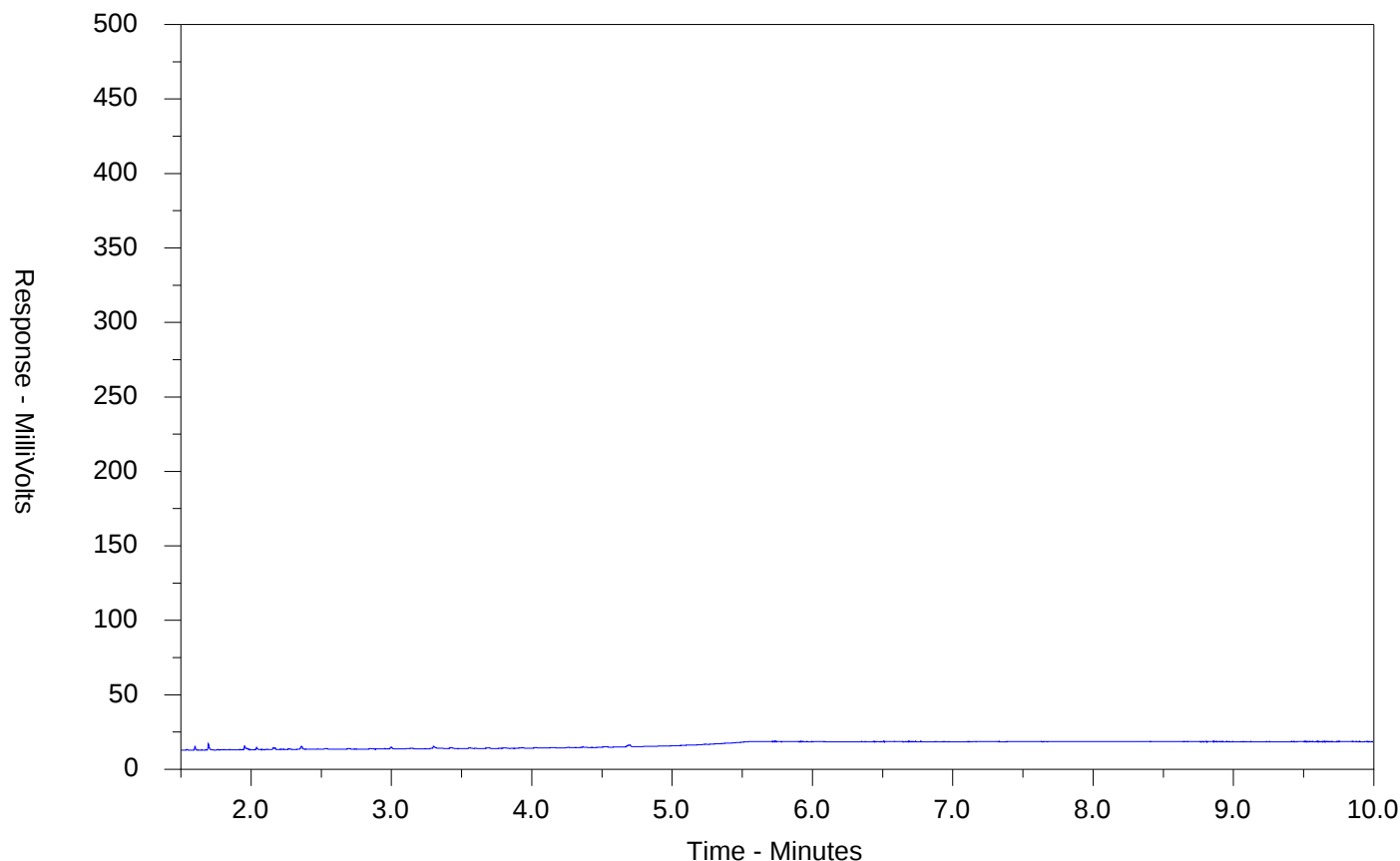
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.

CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: WT2505933-015-E601.SG
 Client Sample ID: DUPW-WD2



← F2 →		← F3 →		← F4 →	
nC10	nC16		nC34		nC50
174°C	287°C		481°C		575°C
346°F	549°F		898°F		1067°F
Gasoline →			← Motor Oils/Lube Oils/Grease		
← Diesel/Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at www.alsglobal.com.



www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number

Environmental Division
Waterloo
Work Order Reference
WT2505933

Chain of Custody (COC) / Analytical
Request Form

Report To: Contact and company name below will appear on the final report

Company: WSP Canada Inc.

Contact: Cindy McKee

Phone: 519-735-2499

Street: 11865 County Road 42

City/Province: Tecumseh, ON

Postal Code: N8N 0H1

Invoice To: Same as Report To

Copy of Invoice with Report

Company: WSP Canada Inc.

Contact: Cindy McKee

Project Information

ALS Account # / Quote #:

Job #: CA0046126.8978

PO / AFE: P112898CA001

LSD:

ALS Lab Work Order # (lab use only):

Report Format / Distribution

Select Report Format: ☒ PDF ☒ EXCEL ☐ EDD (DIGITAL)

Quality Control (QC) Report with Report ☒ YES ☐ NO

Compare Results to Criteria on Report - provide details below if box checked

Select Distribution: ☒ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: cindy.mckee@wsp.com

Email 2: derek.saliba@wsp.com

Email 3:

Invoice Distribution

Select Invoice Distribution: ☒ EMAIL ☐ MAIL ☐ FAX

Email 1 or Fax: cindy.mckee@wsp.com

Email 2: capayabales@wsp.com

Oil and Gas Required Fields (client use)

AFE/Coat Center:

Major/Minor Code:

Requestioner:

Location:

ALS Contact:

Sampler:

DS

Date

Time

Sample Type

Sample Identification and/or Coordinates
(This description will appear on the report)

ALS Sample #
(lab use only)

MW1

MW2

MW3

MW4

MW5

MW6

MW7

MW8

MW9

MW10

MW11

MW12

Drinking Water (DW) Samples (client use)

Are samples taken from a Regulated DW System?

Are samples for human consumption/ use?

SHIPMENT RELEASE (client use)

Released by:

Date:

Time:

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:

Date:

Time:

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

Select Service Level Below - Contact your

Regular [R] ☒ Standard TAT if received

4 day [P4-20%] ☐

3 day [P3-25%] ☐

2 day [P2-50%] ☐

Date and Time Required for all EXP TATs:

EMERGENCY

1 Bu. Same (Lab)

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (FP)

PHC F1-F4/VOCs

VOC / PHC F1

Metals and Inorganics

PAHs

PCBs

SVOCs

SAMPLES ON HOLD

SUSPECTED HAZARD (see Special Instructions)

NUMBER OF CONTAINERS

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

9

Sample Condition as Received (lab use only)

Frozen ☐

Ice Packs ☐

Ice Cubes ☒

Custody seal intact ☐

INITIAL COOLER TEMPERATURES °C

7.9

5.8

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

4.7

Final Cooler Temperatures °C

19.9

13.6

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9

1.9



www.alsglobal.com

Chain of Custody (COC) / Analytical Request Form

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here
(lab use only)

COC Number: LON -

Page 2 of 2

Contact and company name below will appear on the final report

Report Format / Distribution

Select Service Level Below - Contact your AM to confirm all EAP TATs (surcharges may apply)

Company: WSP Canada Inc. Select Report Format: ☒ PDF ☒ EXCEL ☐ EDD (DIGITAL)

Contact: Cindy McKee Quality Control (QC) Report with Report ☒ YES ☐ NO

Phone: 519-735-2499 ☒ 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: 11865 County Road 42 Email 1 or Fax: cindy.mckee@wsp.com

City/Province: Tecumseh, ON Email 2: derek.silber@wsp.com

Postal Code: N8N 0H1 Email 3:

Invoice To: Same as Report To ☒ YES ☐ NO Invoice Distribution

Copy of Invoice with Report ☐ YES ☐ NO Select Invoice Distribution: ☒ EMAIL ☐ MAIL ☐ FAX

Company: WSP Canada Inc. Email 1 or Fax: cindy.mckee@wsp.com

Contact: Cindy McKee Email 2: capayableinvoice@wsp.com

Project Information Oil and Gas Required Fields (client use)

ALS Account # / Quote #: AFE/Cost Center: PO#

Job #: CA0046126 8978 Major/Minor Code: Routing Code:

PO / AFE: P112898CA001 Requisitioner: Location:

LSD: Location:

ALS Lab Work Order # (lab use only): ALS Contact: Sampler: DS

ALS Sample # (lab use only) Sample Identification and/or Coordinates (This description will appear on the report) Date (dd-mm-yy) Time (hh:mm) Sample Type

MW13 19-Mar-25 09:00 GW

DUPW-WD1 GW

DUPW-WD2 GW

Field Blank 1 GW

Trip Blank 1 GW

Trip Spike 1 GW

Field Blank 2 GW

Trip Blank 2 GW

Trip Spike 2 GW

Drinking Water (DW) Samples (client use) Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below

Are samples taken from a Regulated DW System? ☐ YES ☐ NO

Are samples for human consumption/ use? ☐ YES ☐ NO Compare to Table 3 SCS for RPI and fine/medium textured soil - RSC Property

Released by: Date: 16-Mar-25 Time: 16:30 Received by: Date: 2025/03/21

SHIPMENT RELEASE (client use) INITIAL SHIPMENT RECEPTION (lab use only)

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

Time: 13:45 Received by: Date: 2025/03/21

Time: 17:45

Time: 17:45

Time: 17:45

Time: 17:45

Time: 17:45

Time: 17:45

Time: 17:45

Time: 17:45

NUMBER OF CONTAINERS

PHC F1-F4/VOCs VOC / PHC F1 Metals and Inorganics PAHs PCBs SVOCs

SAMPLES ON HOLD

SUSPECTED HAZARD (see Special Instructions)

Select Service Level Below - Contact your AM to confirm all EAP TATs (surcharges may apply)

Regular [R] ☒ Standard TAT if received by 3pm - business days - no surcharges apply

4 day [P4-20%] ☐ 3 day [P3-25%] ☐ 2 day [P2-50%] ☐

1 Business day [E - 100%] Same Day, Weekend or Statutory holiday [E2 - 200%] (Laboratory opening fees may apply) ☐

Date and Time Required for all EAP TATs: dd-mm-yy hh:mm

Analysis Request

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (FP) below

Sample Condition as Received (lab use only)

Frozen ☐ Ice Packs ☐ Ice Cubes ☒ SIF Observations Yes ☐ No ☐

Cooling Initiated ☐ Custody seal intact Yes ☐ No ☐

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C

Initial Cooler Temperatures °C Final Cooler Temperatures °C



wsp.com