REPORT

Phase Two Environmental Site Assessment

Walker-Cabana Development, Windsor, Ontario

Submitted to:

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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 part of 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 Phase Two ESA investigated the eight APECs identified in the 2025 Phase One ESA and updated in this report to properly reflect the RSC property.

The analytical results from the sampling and analysis program were compared to the applicable Ministry of Environment, Conservation and Parks ("MECP") Table 3 Site Condition Standards (residential use, fine textured soil)[1].

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, BH27, and MW9 where various contaminants in soil were identified. No groundwater impacts were identified above Table 3 SCS.

WSP was on-site between May 27, 2025 and July 25, 2025 to document the removal of the EC, pH, PAH and metal-impacted soil/fill from the two remediation areas and to collect confirmatory floor and wall samples after the remediations were completed. A total of 203.85 metric tonnes (MT) (120 m^3) of impacted soil was transported from the remediation excavations at the property to the Essex County Regional Landfill in Essex, Ontario.

The confirmatory samples from the limits of the two Remediation Areas were submitted for laboratory analysis based on each of the contaminants of concern. All soil samples from the final limits of the excavations (within the limits of the Phase Two Property) met the Table 3 SCS. No further remediation is required.

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 2375, 2385, 0, 0, and part of 2415 Cabana Road East, Windsor, Ontario
Property Identification Number	2375 Cabana Road East: 01560-2708 (LT) 2385 Cabana Road East: 01560-2706 (LT)

[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 2375, 2385, 0, 0, and part of 2415 Cabana Road East, Windsor, Ontario
	Northern portions of 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 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	1.49 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 three 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 permanent 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. The industrial building was demolished by 2017. Four aboveground storage tanks (ASTs) were located east of the industrial building (circa 2006-2013). Currently, the portion of the property within the Phase Two Property operates as an 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 and/or industrial to residential).

2.4 Applicable Site Condition Standard

The analytical results were compared to the Table 3 Generic Site Condition Standards (Residential/ Parkland/ Institutional Property Use, medium to fine soil texture) (Table 3 RPI 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 (off-site, 190 m southeast of the Phase Two Property). There are no water bodies within 30 m of the Phase Two Property.
- 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≤pH≤9 and the pH of sub-surface soil meets the requirement of 5≤pH≤11 with the exceptions listed in Section 6.4.
- The intended use of the Phase Two Property is mixed residential and commercial.
- 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. The two mixed commercial and residential buildings will be located on 2375, 2385 and the northwest portion of 2415 Cabana Road East.

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, and to develop the information necessary to complete a Record of Site Condition ("RSC") for the property. 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, approximately 190 m southeast of the Phase Two Property. 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 Two Study area. Land uses surrounding the Phase Two Property include residential, agricultural, commercial, and industrial, as shown in Figure 2.

Soil at the Phase Two 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, however, have been adjusted to properly reflect the RSC Phase Two Property:

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.	Site-wide	#30 Importation of Fill Material of Unknown Quality	On-site	Metals, VOCs, PHCs, PAHs, ORP, As, Sb, Se	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 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	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	Eastern 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 6 – 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

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 7 – Historical retail fuel outlet at 2414 Cabana Road East and former fuel tanks at an industrial property at 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
APEC 8 – Current small logistics trucking operation, former concrete pipe storage yard during the former on-site concrete pipe manufacturing operation at 0, 0, 2415 Cabana Road East.	0, 0, 2415 Cabana Road East	#11 Commercial Trucking and Container Terminals #12 Concrete, Cement and Lime Manufacturing	Off-site	BTEX, PHCs, Metals, ORP, pH, 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.

WSP also conducted a Phase Two ESA entitled, "Draft *Phase Two Environmental Site Assessment, Walker-Cabana Development, Windsor, Ontario",* dated May 12, 2025, (WSP 2025 Phase Two) assessing the entirety of

the Phase One Property. This report addresses the portions of the Phase One Property that will be subject to an RSC, and therefore, the APECs have been updated to reflect the RSC property.

Former APECs 6A and 6B: These former APECs are related to diesel spills that occurred in 2019 and 2020 at 2415 Cabana Road East. However, the spills did not occur on the RSC property. Surface sampling occurred during the Phase Two ESA and confirmed that there was no impacted soil in the vicinity of the spills. Therefore, due to the confirmatory sampling, these are not considered APECs on the RSC property.

Former APEC 9: This former APEC is related to off-site industrial operations as well as the Chesapeake & Ohio Railway to the east of 2415 Cabana Road East. During the Phase Two sampling event, the groundwater sampled along the eastern boundary of 2415 Cabana Road East (MW7, MW10, MW11, and MW13) confirmed that there were no groundwater impacts and therefore on-site groundwater contamination was not present due to the off-site operations. Due to the lack of groundwater impacts as well as the distance of this former APEC to the RSC property (110 m east), this is not considered an APEC on the RSC property.

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 July 25, 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. Soil samples from the delineation and remediation programs were collected on May 27 and July 25, 2025. 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, March 7, and May 8, 2025 (Tables 1 and 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.
- **Delineation**: A delineation test pitting program was completed by WSP (May 27, 2025).
- **Remediation**: Two soil remediation programs were completed by WSP (May 27 and July 25, 2025).
- **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.

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 was present and therefore sediment sampling was not required. 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.

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 and APEC-3 in an attempt to delineate soil with gasoline-like staining and odours noted during the drilling field work.
- 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.
- Eighteen 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 July 25, 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 4 and 5, 2025, fifteen boreholes (MW1 to MW6, MW8, MW9, BH14 to BH18, BH26, and 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 Test Pit Delineation

On May 27, 2025, 12 test pits were excavated to depths of 2.2 mbgs in an attempt to delineate the EC and pH impacts identified at MW9. Three test pits were excavated on all four sides (north, east, south, and west) of MW9 at 1 m, 3 m, and 5 m intervals.

Test pits were advanced by the Client-retained contractor, Sterling Ridge, using a John Deere 85G mini excavator.

One sample was collected from each test pit and submitted for analytical testing of EC and pH. A description of the soil samples collected from the 12 test pits are shown in the table below,

Sample ID	Distance and Direction from MW9	Depth (mbgs)	Soil Description	Results Compared to Table 3 RPI SCS
TP1N SA1	1 m north	1.6-2.2	Mixed fill with black foundry sand and silty clay	Impacted
TP3N SA1	3 m north	1.6-2.2	Mixed fill with black foundry sand and silty clay	Impacted
TP5N SA1	5 m north	1.6-2.2	Mixed fill with black foundry sand and silty clay	Not impacted
TP1W SA1	1 m west	1.6-2.2	Mixed fill with black foundry sand and silty clay	Impacted
TP3W SA1	3 m west	1.6-2.2	Mixed fill with black foundry sand and silty clay	Not impacted
TP5W SA1	5 m west	1.6-2.2	Mixed fill with black foundry sand and silty clay	Not impacted
TP1S SA1	1 m south	1.6-2.2	Mixed fill with black foundry sand and silty clay, brown silty clay at 2.0 mbgs	Not impacted
TP3S SA1	3 m south	1.6-2.2	Mixed fill with black foundry sand and silty clay, brown silty clay at 2.0 mbgs	N/A
TP5S SA1	5 m south	1.6-2.2	Mixed fill with black foundry sand and silty clay, brown silty clay at 2.0 mbgs	N/A

Sample ID	Distance and Direction from MW9	Depth (mbgs)	Soil Description	Results Compared to Table 3 RPI SCS
TP1E SA1	1 m east	1.6-2.2	Mixed fill with black foundry sand and silty clay	Impacted
TP3E SA1	3 m east	1.6-2.2	Mixed fill with black foundry sand and silty clay	Impacted
TP5E SA1	5 m east	1.6-2.2	Brown-grey silty clay	Not impacted

Under Section 1 of the Rules Document (Rules Associated with the Use of Excess Soil Quality Standards), WSP utilized Section (9) Single Point Compliance Method, to average several bulk impacts. Section (9) Single Point Compliance Method states that if two or more in situ samples of soil are taken from sampling points within 2 m of each other, as defined in subsection 48 (4) of O.Reg. 153/04, that are at the same depth, the excess soil quality standard is deemed to be met if the average of these sampling results are less than or equal to the applicable soil quality standard.

As shown on Table 7, WSP utilized this method for the following:

- pH at TP3N SA1 and TP5N SA1.
- EC and pH at TP1W SA1 and TP3W SA1.
- pH at TP3E SA1 and TP5E SA1.

It should be noted that the **pH Averaging Tool** was used to calculate the average pH values at the above locations. The average concentrations of the parameters listed above were below Table 3 RPI SCS at the respective locations. Using the data above, the remediation limits surrounding MW9 were as follows:

- 4 m north of MW9 from 1.5 to 2.3 mbgs.
- 2 m west of MW9 from 1.5 to 2.3 mbgs.
- 1 m south of MW9 from 1.5 to 2.3 mbgs.
- 4 m east of MW9 from 1.5 to 2.3 mbgs.

5.4 Soil Remediation

Sterling Ridge provided excavation equipment and arranged for MECP-licensed transportation (tri-axle dump trucks) to transport the impacted soil/fill to the Essex Windsor Solid Waste Authority (EWSWA) Regional landfill in Essex, Ontario. Based on the results of the Phase Two ESA, the following two excavations were required,

- BH14 Excavation: based on the benzo[a]pyrene (PAH) soil exceedance at BH14 (0.9-1.5 m) and molybdenum exceedance at BH27 (0.9-1.5 m).
- MW9 Excavation: based on the EC and pH soil exceedances at MW9 (1.6-2.2 m).

The locations of the Remediation Areas on the RSC Property are shown on **Figure 22**.

WSP was on-site to document the removal of impacted soil/fill materials and to collect confirmatory samples from the final limits of the excavations. The remediation was initiated on May 27, 2025 and was completed on July 25, 2025. An excavator was used for all of the following remedial excavation programs.

A total of 203.85 metric tonnes (MT) (120 m^3) of impacted soil was transported from the remediation excavations at the property to the EWSWA landfill in Essex, Ontario.

BH14 Remedial Excavation

Remediation was initiated on May 27, 2025 and completed on June 10, 2025 to address the benzo[a]pyrene (PAH) soil exceedance at BH14 (0.9-1.5 m) and molybdenum exceedance at BH27 (0.9-1.5 m). The remedial excavation was guided by visual evidence of impact, field screening measurements and the presence of the underlying native silty clay material.

The results of the confirmatory soil sample analysis indicated two soil samples collected on May 28, 2025 exceeded the Table 3 RPI SCS for PAHs. The remedial excavation was further excavated at the locations in which the respective parameters exceeded Table 3 SCS. The additional soil samples had PAH concentrations below Table 3 SCS. All of the PAH and molybdenum impacted soil was excavated from the BH14 Remedial Excavation and removed from the Phase Two Property.

The final limits of the irregularly shaped excavation was approximately 15.5 m by 8.5 m (at the longest length/width) and 1.5 m deep. Nine wall samples and five floor samples (including one duplicate sample) were analyzed with PAH concentrations below Table 3 SCS to confirm the removal of PAH contaminated soil at this location. Five wall samples and two floor samples were analyzed with ICP Metals concentrations below Table 3 SCS to confirm the removal of molybdenum contaminated soil at this location.

The confirmatory soil sample locations (for the RSC Property) are presented on **Figure 22**. The quantity and locations of the confirmatory samples is compliant with Table 3 of the MECP's O.Reg. 153/04, as amended.

As outlined herein, during the remediation work, all impacted fill material present within the RSC Property boundaries was excavated and removed from the Site.

MW9 Remedial Excavation

Remediation was initiated on July 22, 2025 and completed on July 25, 2025 to address the EC and pH contamination identified in soil at MW9 (1.6-2.2 m). The remedial excavation was guided by visual evidence of impact, field screening measurements and the presence of the underlying native silty clay material.

The results of the confirmatory soil sample analysis indicated none of the soil samples collected on July 22, 2025 exceeded the Table 3 SCS for EC or pH.

Based on the remedial excavation work completed on July 22, 2025, all of the EC and pH contaminated soil was excavated and removed from the Phase Two Property.

The final limits of the irregularly shaped excavation was approximately 5.7 m by 4.1 m (at the longest length/width) and 0.8 m deep. Four wall samples and two floor samples were analyzed with EC and pH concentrations below Table 3 SCS to confirm the removal of EC and pH contaminated soil at this location.

The confirmatory soil sample locations (for the RSC Property) are presented on **Figure 22**. The quantity and locations of the confirmatory samples is compliant with Table 3 of the MECP's O.Reg. 153/04, as amended.

As outlined herein, during the remediation work, all impacted fill material present within the RSC Property boundaries was excavated and removed from the Site.

Remediation Excavation Backfilling

Following receipt of confirmatory soil analysis below the applicable standards, the two remediation excavations were backfilled.

Backfilling of the BH14 remedial excavation consisted of portions of the excavated material that was not impacted (confirmed by analytical testing) as well as crushed limestone ("screenings") imported to the RSC Property in June 2025. The imported limestone material was sourced from Walker Aggregates McGregor Quarry aggregate pit in Amherstburg, Ontario.

The MECP stated that overburden material required characterization as per Section 34.1 to 36 of Schedule E of O.Reg. 153/04 (as amended). The minimal overburden material that was excavated and reused as backfill was primarily crushed granular. WSP completed analytical testing on BH14 SA1 to confirm reuse suitability. However, as per O.Reg.153/04, the granular material is not considered to be a soil as per O. Reg. 153/04 as it was mechanically broken-down materials greater than 2 mm in size. The crushed granular does not meet the definition of soil (Part I Definitions and Application) and therefore, the requirements for sampling and analysis (Sections 32 to 34 of Schedule E) do not apply. Additionally, materials sourced from licensed aggregate quarries do not require chemical analysis under Ontario Regulation (O.Reg.) 406/19 and therefore no sampling was carried out prior to import to the Site.

Imported granular material was not used to backfill the MW9 remedial excavation. Following the removal of the thin impacted soil layer, the excavation was backfilled with the upper 0.8 m of clay fill (characterized by MW9 SA1, estimated at 1 m^3) and then graded with surrounding area. The excavated soil with EC and pH impacts was tarped and stored south of the RSC property.

5.5 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 A) 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).

5.6 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.

5.7 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.

5.8 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.

5.9 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.

5.10 Sediment: Sampling

No sediment samples were collected as part of this investigation.

5.11 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.

5.12 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.

5.13 Elevation Surveying

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

5.14 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 4, 2025	Soil	MW3 SA3	DUPS-7	NA
March 19, 2025	Groundwater	MW9	DUPW-WD2	Trip Blank
May 27, 2025	Soil	TP1N SA1	DUPR-1	NA
May 28, 2025	Soil	R1-SA7	DUPR-4	NA

It should be noted that the majority of the duplicate samples were taken from the entire Phase Two property (see WSP 2025 Phase Two). The O.Reg. 153/04 duplicate sampling requirements have been met for the entire Phase Two property.

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) and cross-sections (Figure 7, 8, 9, and 10). 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 five of the six 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 6.05 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, March 19, as well as May 8, 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 (1.42 to 4.48 mbgs) on February 21, 2025, from 184.43 to 188.82 masl (0.62 to 4.62 mbgs) on March 7, 2025, from 184.61 to 188.50 masl (1.25 to 4.44 mbgs) on March 19, 2025, and from 186.94 to 189.47 masl (0.62 to 2.11 mbgs) on May 8, 2025. Based on the interpreted groundwater elevation contours presented in Figure 6A and 6B, the inferred direction of groundwater flow in the unconfined aquifer is west-northwest. It should be noted there is a southwesterly flow in the northwestern portion of the Site, likely related to underground utilities and the historical USTs on-site.

Well ID and Relevant APEC	Top of Well Screen (masl)	Bottom of Well Screen (masl)	Water Level May 8, 2025 (masl)	Comment
MW1 (APEC 1, 2, 3, 6)	186.14	183.09	186.94	Screen is submerged by 0.8 m
MW2 (APEC 1, 2, 3)	187.75	184.70	187.62	Screen straddles the water table
MW3 (APEC 1, 2, 3)	186.09	183.04	187.45	Screen is submerged by 1.36 m
MW4 (APEC 1, 2, 6)	185.86	182.81	187.54	Screen is submerged by 1.68 m

Well ID and Relevant APEC	Top of Well Screen (masl)	Bottom of Well Screen (masl)	Water Level May 8, 2025 (masl)	Comment
MW5 (APEC 1, 2, 4, 7, 8)	186.24	183.19	188.03	Screen is submerged by 1.79 m
MW6 (APEC 1, 2, 4, 7, 8)	185.99	182.94	188.27	Screen is submerged by 2.28 m
MW8 (APEC 1, 2, 4, 5, 8)	186.06	183.01	187.20	Screen is submerged by 1.14 m
MW9 (APEC 1, 2, 4, 8)	188.01	184.96	189.47	Screen is submerged by 1.46 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 five monitoring wells: MW1, MW3 to MW6, MW8, and MW9.

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 0.00508 m/m from east to west. The horizontal hydraulic gradient in the unconfined aquifer was 0.001411 m/m 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. It should be noted the southerly flow in the northwestern portion of the Site is likely related to underground utilities and the historical USTs on-site.

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.

Twenty-five 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 $5 \leq pH \leq 9$ and the reported pH of all samples of subsurface soil meets the requirement that $5 \leq pH \leq 11$, except for the following:

- 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.
  - As noted in Section 5.4, the elevated pH at MW9 was remediated as part of the Phase Two ESA.
- 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). Combustible gas vapours and organic vapours were not measured during the remediation sampling as the COPCs were various metals, PAHs, EC, and/or pH, and were not related to petroleum hydrocarbon impacts.

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

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.
- Molybdenum at MW2 SA4, MW2 SA4b, and MW2 SA4c.
- Molybdenum at MW8 SA1, MW8 SA1b, and MW8 SA1c
- Boron HWS at BH14 SA2, BH14 SA2b, and BH14 SA2c.
- Lead at BH17 SA2, BH17 SA2b, and BH17 SA2c.
- Arsenic, total chromium, lead, and nickel at BH27 SA2, BH27 SA2b, and BH27 SA2c.

- An attempt was made to average the molybdenum concentration at BH27 SA2, however, the results were still above the Table 3 RPI SCS.

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), and BH27 SA2 were above the Table 3 RPI SCS of 700 uS/cm.

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 (Phase Two ESA)

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).
- Molybdenum at BH27 SA2.

6.6.3 Soil Results (Delineation)

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

- EC and pH at TP1N SA1 and its duplicate DUPR-1.
- pH at TP1E SA1.

6.6.4 Soil Results (Remediation)

BH14 Remedial Excavation

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

- Methylnaphthalene, 1-, methylnaphthalene, 2-, methylnaphthalene, 1-,2-, and naphthalene at R1- SA1.
- Naphthalene at R1-SA12.

Based on the subsequent remedial activities, all confirmatory soil samples at the limits of the BH14 remedial excavation met the applicable site condition standards for PAHs and molybdenum.

MW9 Remedial Excavation

Based on the remedial activities, all confirmatory soil samples at the limits of the MW9 remedial excavation met the applicable site condition standards for EC and pH.

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 10. 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.

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.

6.10 Phase Two Conceptual Site Model

The Phase Two conceptual site model is presented in the following sections. The location of the Phase Two Property is provided in Figure 1. A generalized site plan is provided in Figure 2.

POTENTIAL SOURCES OF CONTAMINATION

Potentially Contaminating Activities

Based on the information obtained as part of the Phase One ESA, the following potentially contaminating activities ("PCAs") were identified. The location of each PCA is provided in Figure 3:

Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
#30 Importation of Fill Material of Unknown Quality – It is inferred that fill	Aerial photographs, FIPs,	The PCA is on the Phase One Property and must be identified as an APEC. The fill

Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
is present throughout the Phase One Property, used during the construction of former and current structures, as well as to backfill the demolition of structures and to backfill during the excavation of former USTs.	and site observations	materials are anticipated to affect the uppermost soil layers at the Phase One Property due to the nature of the contaminants of potential concern (COPCs).
Other – Roadway salting – It is inferred that the parking lots are salted during the winter.	Site observations	The PCA is on the Phase One Property and must be identified as an APEC. The fill materials are anticipated to affect the uppermost soil layers at the Phase One Property due to the nature of the contaminants of potential concern (COPCs).
2375 Cabana Road East: #28 Gasoline and Associated Product Storage in Fixed Tanks – 2375 Cabana Road East Road was historically a retail fuel outlet and contained seven fuel storage tanks along the west side of the property.	1953 FIPs	The PCA is on the Phase One Property and must be identified as an APEC.
2415 Cabana Road East: #12 Concrete, Cement and Lime Manufacturing Other – HWIN Waste Generator 2415 Cabana Road East was a concrete pipe manufacturer from roughly 1969 to 2015.	FIPs, city directories, aerial photographs, ERIS	The PCA is on the Phase One Property and must be identified as an APEC. The PCA is also on the portion of 2415 Cabana Road East adjacent to the RSC property. Due to its proximity to the RSC property, this PCA is also identified as an APEC.
2415 Cabana Road East: #28 Gasoline and Associated Product Storage in Fixed Tanks – 2415 Cabana Road East historically included four ASTs on the east side of the former concrete plant building.	Well record, aerial photographs	The PCA is on the Phase One Property and must be identified as an APEC.
2415 Cabana Road East: Other – Spills and Releases – a 150 L diesel spill occurred at the southern end of the office building due to a collision in 2020.	Interview with Site Representative, ERIS	Confirmatory surface sampling verified that no soil contamination was present, and therefore this PCA is not identified as an APEC.
2415 Cabana Road East: Other – Spills and Releases – a 150 L diesel spill due to a fuel tank leak in 2019, inferred to be east of the building where semi trucks historically parked.	ERIS, aerial photographs	Confirmatory surface sampling verified that no soil contamination was present, and therefore this PCA is not identified as an APEC.
2295 Cabana Road East, 25 m west #10 Commercial Autobody Shop #28 Gasoline and Associated Product Storage in Fixed Tanks – 2295 Cabana	FIPs, aerial photographs, ERIS, city	This PCA is identified as an APEC due to its proximity to the Phase One Property.

Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Road East is a retail fuel outlet. The property used to also be an automotive service station.	directories, Site observations	
4055 Walker Road, 25 m southwest #11 Commercial Trucking and Container Terminals – 4055 Walker Road was a trucking terminal from approximately 1986 to 2024.	ERIS, aerial photographs, city directories	This PCA is identified as an APEC due to its proximity to the Phase One Property.
2414 Cabana Road East, 25 m north #28 Gasoline and Associated Product Storage in Fixed Tanks – Cabana Road East previously operated as a retail fuel outlet.	FIPs, aerial photographs	This PCA is identified as an APEC due to its proximity to the Phase One Property.
2450 Cabana Road East, 25 m north #52 Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems Other – Industrial operations 2450 Cabana Road East previously operated as an industrial site. More recently, the property operated as a semi truck storage lot with fuel storage tanks.	Aerial photographs, site observations	This PCA is identified as an APEC due to its proximity to the Phase One Property.
Chesapeake & Ohio Railway, 110 m east #46 Rail Yards, Tracks and Spurs Railway line 110 m east of the RSC property.	FIPs, aerial photographs, Site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4145 7th Concession Road, 390 m east Other – HWIN Waste Generator #52 Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems 4145 7th Concession Road was previously an HWIN waste generator and currently operates as a semi truck repair shop.	ERIS, site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4185 7th Concession Road, 220 m southeast #10 Commercial Autobody Shops Other – HWIN Waste Generator Other – Industrial Operations 4185 7th Concession Road is currently used for industrial purposes. The	City directories, ERIS, site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.

Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
property historically operated as an automotive service station.		
4215 7th Concession Road, 290 m southeast Other – Industrial Operations 4215 7th Concession Road is currently used for industrial purposes.	City directories, site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4225 7th Concession Road, 320 m southeast #10 Commercial Autobody Shops Other – HWIN Waste Generator Other – Industrial Operations 4225 7th Concession Road was previously used for industrial purposes and currently operates as an autobody shop.	City directories, ERIS, site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4237 7th Concession Road, 360 m southeast #34 Metal Fabrication Other – Industrial Operations 4237 7th Concession Road currently operates as a metal fabricator.	ERIS, site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4150 Walker Road, 260 m south Other – HWIN Waste Generator #10 Commercial Autobody Shop Other – Spills and Releases 4150 Walker Road is occupied by Canadian Tire, a waste generator, spill site, and containing an automotive service garage.	ERIS, aerial photographs, city directories, site observations	This PCA is not identified as an APEC due to its distance to the RSC Property.
4275 7th Concession Road, 420 m southeast Other – HWIN Waste Generator Other – Industrial Operations 4275 7th Concession Road currently operates as a machine shop and is an HWIN waste generator.	ERIS, site observations	Based on the distance of these PCAs from the Site, the transgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
3988 Riberdy Road, 80 m north Other – HWIN Waste Generator Other – Industrial Operations 3988 Riberdy Road is currently used for industrial purposes.	ERIS, site observations	Based on the distance of these PCAs from the Site, the downgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
3990 Walker Road, 100 m north #28 Gasoline and Associated Product Storage in Fixed Tanks	ERIS	Based on the distance of these PCAs from the Site, the downgradient groundwater flow direction, and the low permeability of the native

Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Other – Spills and Releases 3990 Walker Road contained fuel storage tanks and was the site of a hydraulic oil spill.		silty clays, these PCAs do not contribute to an APEC.
3967 Walker Road, 130 m northwest Other – HWIN Waste Generator 3967 Walker Road was historically an HWIN waste generator.	ERIS	Based on the distance of these PCAs from the Site, the downgradient groundwater flow direction, and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4155/4165 Walker Road, 110 m west Other – HWIN Waste Generator Other – Industrial Operations 4155 Walker Road historically and currently operates as an industrial facility. 4165 Walker Road no longer exists, but it was historically used for industrial purposes.	City directories, ERIS, site observations	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4255 Walker Road, 290 m southwest #28 Gasoline and Associated Product Storage in Fixed Tanks Other – Spills and Releases Other – HWIN Waste Generator Other – PCB Storage Site 4255 Walker Road is an HWIN waste generator, as well as PCB and waste oil storage site.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
2825 County Road 42, 335 m east #28 Gasoline and Associated Product Storage in Fixed Tanks Other – HWIN Waste Generator 2825 County Road 42 was listed as an HWIN waste generator and contains fuel storage tanks.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
3959 Riberdy Road, 160 m north Other – HWIN Waste Generator 3959 Riberdy Road was listed as an HWIN waste generator.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
4322 Walker Road, 450 m south Other – HWIN Waste Generator 4322 Walker Road was listed as an HWIN waste generator.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
3981 Turner Road, 190 m northwest Other – Spills and Releases	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty

Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Possibly PCB-containing transformer oil spilled at this location in 1988.		clays, these PCAs do not contribute to an APEC.
3947 Riberdy Road, 215 m north Other – HWIN Waste Generator 3947 Riberdy was listed as an HWIN waste generator.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
2800 Hayes Road, 230 m north #28 Gasoline and Associated Product Storage in Fixed Tanks Other – HWIN Waste Generator 2800 Hayes Road was listed as an HWIN waste generator and contains fuel storage tanks.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.
3951 Walker Road, 235 m north #28 Gasoline and Associated Product Storage in Fixed Tanks Other – HWIN Waste Generator Other – Spills and Releases 3951 Walker Road was listed as an HWIN waste generator and contains fuel storage tanks. The property was also subject to a diesel spill.	ERIS	Based on the distance of these PCAs from the Site and the low permeability of the native silty clays, these PCAs do not contribute to an APEC.

Areas of Potential Environmental Concern

The following APECs were identified at the RSC Property. The location of each APEC is presented in Figure 4.

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.	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

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 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	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	Eastern 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 6 – 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

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 7 – Historical retail fuel outlet at 2414 Cabana Road East and former fuel tanks at an industrial property at 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
APEC 8 – Current small logistics trucking operation, former concrete pipe storage yard during the former on-site concrete pipe manufacturing operation at 0, 0, 2415 Cabana Road East.	0, 0, 2415 Cabana Road East	#11 Commercial Trucking and Container Terminals #12 Concrete, Cement and Lime Manufacturing	Off-site	BTEX, PHCs, Metals, ORP, pH, 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.

Subsurface Structures and Utilities

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.

PHYSICAL SETTING

Stratigraphy

Representative geologic cross-sections of the Phase Two Property are presented in Figures 7, 8, 9, 10.

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 five of the six 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.

Hydrogeological Characteristics

The regional groundwater flow direction is expected to be towards Little River to the east/northeast, and ultimately towards the north towards the Detroit River. In the immediate vicinity of the Phase Two Property, the groundwater flow is inferred to be to the northeast.

The horizontal hydraulic gradient in the unconfined aquifer was 0.00508 m/m from east to west. The horizontal hydraulic gradient in the unconfined aquifer was 0.001411 m/m 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. It should be noted the southerly flow in the northwestern portion of the Site is likely related to underground utilities and the historical USTs on-site.

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

Bedrock consists of limestone, dolostone, and shale of the Dundee Formation, and is anticipated to be at approximately 44 m. Bedrock was not encountered during the Phase Two investigation.

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 (1.42 to 4.48 mbgs) on February 21, 2025, from 184.43 to 188.82 masl (0.62 to 4.62 mbgs) on March 7, 2025, from 184.61 to 188.50 masl (1.25 to 4.44 mbgs) on March 19, 2025, and from 186.94 to 189.47 masl (0.62 to 2.11 mbgs) on May 8, 2025. Based on the interpreted groundwater elevation contours presented in Figure 6A and 6B, the inferred direction of groundwater flow in the

unconfined aquifer is west-northwest. It should be noted there is a southwesterly flow in the northwestern portion of the Site, likely related to underground utilities and the historical USTs on-site.

Soil Texture

A summary of the test results of laboratory analysis to determine soil texture is presented below.

Sample ID	Sample Depth (mbgs)	Soil Description	Soil Texture
MW1 SA4	2.3-3.0	Silty clay	Medium/fine
BH18 SA3	1.5-1.6	Silty clay	Medium/fine

Based on field observations, borehole stratigraphy and the soil texture analysis results, soil at the Phase Two Property is considered to be fine to medium-textured.

Non-potable Standards (Section 35)

The RSC Property, and all other properties located, in whole or in part, within 250 metres of the boundaries of the RSC Property, are supplied by a municipal drinking water system. The intended use of the RSC Property does not include agricultural or other use.

The RSC Property is not located in an area designated in the municipal official plan as a well-head protection area or other designation identified by the municipality for the protection of groundwater. There are no wells at the RSC Property or one of the properties in the phase one study area that are used or intended for use as a source of water for human consumption or agriculture. According, there is no requirement to submit written notice to the City of Windsor of the owner's intention to apply non-potable standards in preparing a record of site condition for the property. However, WSP did receive email approval on January 21, 2025 from the City's Office of the Commissioner of Infrastructure Services that non-potable standards are accepted for this Site.

Environmentally Sensitive Areas (Section 41)

The Qualified Person is not aware of any conditions by which section 41 of the Regulation applies to the RSC Property. No areas of natural significance were identified on or within 30 m of the RSC Property. At the locations tested the pH of surface soil meets the requirement that 5≤pH≤9 and the pH of sub-surface soil meets the requirement that 5≤pH≤11, with exception to MW9 SA3 from 1.6 to 2.2 mbgs. Remediation of the pH affected soil occurred, resulting in the removal of the pH-impacted soil, so that Section 41 of O. Reg. 153/04 will not apply.

Shallow Soil Property or Water Body (Section 43.1)

Overburden thickness at the RSC Property extends beyond the maximum depth of drilling (6.1 mbgs). The RSC Property is 190 m northwest from the nearest water body. Accordingly, Section 43.1 of the Regulation does not apply to the RSC Property.

Excess Soil

No soil has been brought from another property and placed on, in or under the RSC Property as part of the Phase Two ESA.

Site Condition Standards

The analytical results were compared to Table 3 site condition standards (residential property use, medium to fine soil texture) listed in the Ministry of the Environment, Conservation and Parks ("MECP") document *"Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act"*, April 2011.

Proposed Buildings and Other Structures

It is understood that the RSC Property is to be redeveloped as mixed residential and commercial properties with two mixed-use (residential and commercial) buildings. The locations of the new buildings are currently not confirmed. It is noted that the proposed development plan is subject to change.

DELINEATION OF CONTAMINANT IMPACTS

APEC Where Contaminants are Present at a Concentration Above the Applicable Site Condition Standard

APEC 1 – APEC 1 is associated with the inferred fill present throughout the entire Phase Two Property. The investigation included the collection of thirty-nine soil samples from APEC 1. The reported concentrations of all COPCs met the applicable site condition standards with exception to benzo[a]pyrene at BH14 SA2 (0.9-1.5 mbgs) and molybdenum at BH27 SA2 (0.9-1.5 mbgs). Vertical delineation (above and below) has been attained, reducing the impacted layer between 0.9 and 1.5 mbgs. Horizontal delineation has also been attained outlining the impacted area to BH27 to the east, BH26 to the south, MW2 to the west, and the property boundary to the north. A remediation program was performed, removing the impacted soil from the Phase Two Property for disposal at a licensed landfill facility.

APEC 2 – APEC 2 is associated with the salting of the RSC property. The COPCs include EC and SAR. The reported concentrations of EC in soil samples MW8 SA1, MW9 SA3 (as well as MW9 SA3b and MW9 SA3c), and BH27 SA2 exceed the applicable site condition standards. In accordance with paragraph 1 of section 49.1, the Qualified Person has determined that salt application to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both is solely responsible for these exceedances. This APEC is exempt as per O.Reg. 153/04 Section 49.1. Accordingly, the applicable site condition standards for EC in soil are deemed not to be exceeded for the purpose of obtaining a record of site condition surrounding MW8 and BH27. However, due to its depth, the EC impact at MW9 SA3 (as well as MW9 SA3b and MW9 SA3c) is likely not related to salt application, and more likely a result of the property's former operations (see APEC 4). See APEC 4 regarding the remediation program around MW9.

APEC 3 – APEC 3 is associated with the former USTs beneath the 2375 Cabana Road East portion of the RSC property. The investigation included the collection of twenty soil samples and three groundwater samples from APEC 3, at MW1, MW2, MW3, BH14, BH14, BH26, and BH27 along with groundwater samples at MW1, MW2, and MW3. The reported concentrations of all COPCs in soil met the applicable site condition standards with exception to benzo[a]pyrene at BH14 SA2 (0.9-1.5 mbgs) and molybdenum at BH27 SA2 (0.9-1.5 mbgs). Vertical delineation (above and below) has been attained, reducing the impacted layer between 0.9 and 1.5 mbgs. Horizontal delineation has also been attained outlining the impacted area to BH27 to the east, BH26 to the south, MW2 to the west, and the property boundary to the north. The reported concentrations of all COPCs in the groundwater samples met the applicable site condition standards. A remediation program was performed, removing the impacted soil from the Phase Two Property for disposal at a licensed landfill facility.

APEC 4 – APEC 4 is associated with the historical concrete pipe manufacturing operations at 2415 Cabana Road East. The investigation included the collection of sixteen soil samples and four groundwater samples from APEC 4. The reported concentrations of all COPCs in the soil samples met the applicable site condition standards, with exception to EC and pH at MW9 SA3 (1.6-2.2 mbgs). The EC and pH impacts at this location are inferred to be caused by the former concrete manufacturing operations. Vertical delineation (above and below) has been attained, reducing the layer of impacted soil to the black sand fill between 1.5 mbgs to a maximum depth of 2.3 mbgs. Horizontal delineation has also been attained outlining the impacted area to 4 m north of MW9, 2 m west of MW9, 1 m south of MW9, and 4 m east of MW9. The reported concentrations of all COPCs in the groundwater samples met the applicable site condition standards. A remediation program was performed, removing the impacted soil from the Phase Two Property.

APEC 5 – APEC 5 is associated with the former ASTs at the east side of the RSC property on the 2415 Cabana Road East property. The investigation included the sampling of six soil samples and one groundwater sample from APEC 5. The reported concentrations of all COPCs in the soil and groundwater samples met the applicable site condition standards.

APEC 6 - APEC 6 is associated with a retail fuel outlet at 2295 Cabana Road east and a former trucking terminal at 4055 Walker Road, to the west of the RSC property across Walker Road. The investigation included the sampling of two groundwater samples from APEC 6. The reported concentrations of all COPCs met the applicable site condition standards.

APEC 7 – APEC 7 is associated with a former retail fuel outlet at 2414 Cabana Road East and former fuel tanks at an industrial property at 2450 Cabana Road East, to the north of the RSC property across Cabana Road East. The investigation included the sampling of two groundwater samples from APEC 7. The reported concentrations of all COPCs met the applicable site condition standards.

APEC 8 – APEC 8 is associated with the former concrete pipe laydown yard and current small logistics trucking operation and parking lot within the non-RSC portion of the Phase Two Property, east and south of the RSC property. The investigation included the sampling of four groundwater samples from APEC 8. The reported concentrations of all COPCs met the applicable site condition standards.

Contaminant Distribution

The plan view drawings showing parameter and contaminant distribution are provided on Figures 11, 14, 17, and 20 for soil and Figure 21 for groundwater. The cross-section figures showing parameter and contaminant distribution are provided on Figures 12, 13, 15, 16, 18, and 19.

No contaminants of potential concern were present in groundwater samples at a concentration greater than the applicable site condition standards.

The results of the soil sampling and laboratory analytical testing programs indicate that the subsurface soils have been impacted by molybdenum, PAHs, EC, and pH. These impacts have been identified in the western portion of the Site at BH14 and BH27 and at the southeastern portion of the Site at MW9.

BH14

The original Table 3 SCS exceedances at BH14 and BH27 include the following:

- Benzo[a]pyrene at BH14 SA2 (0.9 to 1.5 mbgs)
- Molybdenum at BH27 SA2 (0.9 to 1.5 mbgs)

The benzo[a]pyrene exceedances were successfully vertically delineated to BH14 SA1 at 0.9 mbgs and to BH14 SA3 at 1.5 mbgs. Although no vertical delineation had occurred above 0.9 mbgs at BH27, no impacts were reported within this layer at nearby boreholes.

Remediation limits have been extended to the closest soil samples (at similar depths) with analytical results below the applicable SCS. In general, the benzo[a]pyrene remedial limits extend to BH27 to the east, BH26 to the south, MW2 to the west, and the property boundaries to the north. The molybdenum remedial limits were contained within the benzo[a]pyrene boundaries.

The approximate area in the northwestern portion of the Site requiring remediation was 88 m^2, from approximately 0.9 mbgs to 1.5 mbgs, for an approximate soil volume of 120 m^3. The approximate extents of remediation are shown on Figure 22.

MW9

The original Table 3 SCS exceedances at MW9 include the following:

- EC and pH at MW9 SA3, MW9 SA3b, and MW9 SA3c (1.6 to 2.2 mbgs)

The EC and pH exceedances were limited to the layer of fill containing black foundry sand between 1.5 and 2.2 mbgs. Horizontal delineation was achieved through a series of test pits, limiting the area requiring remediation to 4 m north of MW9, 2 m west of MW9, 1 m south of MW9, and 4 m east of MW9.

The approximate area in the southern portion of the Site that was remediated was approximately 16 m^2, from approximately 1.5 mbgs to 2.3 mbgs, for a soil volume of 12.8 m^3. The approximate extents of remediation are shown on Figure 22.

Potential Reason for Discharge into the Environment at the Site

APEC 1: The elevated PAH and molybdenum concentrations are likely due to low quality material used during the backfilling once the USTs were removed located within APEC 1 and APEC 3.

APEC 4: The elevated EC and pH concentrations are likely due to the historical concrete pipe manufacturing operations located within APEC 4.

Contaminant Migration

In the portions of the Site where the impacts are in soil, there were no groundwater impacts identified. Therefore, contaminant migration in groundwater is not anticipated.

Meteorological and Climatic Considerations

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.

Soil Vapour Intrusion Pathways

There is currently no PHC contamination at the Phase Two Property. Therefore, on-site vapour intrusion is not considered a concern at the Phase Two Property.

CROSS-SECTIONS

Lateral and Vertical Distribution of Contaminants

Representative cross-sections are presented in Figures 7 through 10. Additional cross sections for parameter distribution are shown on Figures 12, 13, 15, 16, 18, and 19.

POTENTIAL EXPOSURE PATHWAYS AND RECEPTORS

Once remediation of the impacted areas surrounding BH14 and MW9 is completed, there will be no contaminants present at concentrations greater than the applicable site condition standards and therefore potential release and transport mechanisms, exposure pathways and human and ecological receptors would not be considered further.

NON-STANDARD DELINEATION

Non-standard delineation conducted in accordance with section 7.1 of Schedule E was not part of preparing the phase two environmental site assessment report.

STANDARDS DEEMED TO BE MET

EC

The reported concentrations of electrical conductivity in soil samples MW8 SA1, MW9 SA3 (as well as MW9 SA3b and MW9 SA3c), and BH27 SA2 exceed the applicable site condition standards. In accordance with paragraph 1 of section 49.1, the Qualified Person has determined that salt application to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both is solely responsible for these exceedances based on the following lines of evidence:

- The salting of the parking lots.
- There are no former or current uses of the Phase Two Property that involve salt or brine manufacturing, processing or bulk storage.

Accordingly, with exception to MW9 SA3 (as well as MW9 SA3b and MW9 SA3c), the applicable site condition standards for electrical conductivity in soil are deemed not to be exceeded for the purpose of obtaining a record of site condition. The area surrounding MW9 SA3 will require remediation prior to obtaining a record of site condition.

The exemptions set out in paragraphs 1.1, 2 and 3 of section 49.1 are not applicable.

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.
- Molybdenum at MW2 SA4, MW2 SA4b, and MW2 SA4c.

- Molybdenum at MW8 SA1, MW8 SA1b, and MW8 SA1c
- Boron HWS at BH14 SA2, BH14 SA2b, and BH14 SA2c.
- Lead at BH17 SA2, BH17 SA2b, and BH17 SA2c.
- Arsenic, total chromium, lead, and nickel at BH27 SA2, BH27 SA2b, and BH27 SA2c.

As shown on Figures 11, 17, and 20, the average concentrations of the parameters listed above were below Table 3 standards at the respective locations, and therefore the SCS are met at the Site for those specific parameters.

SUBSECTION 6(2) EXEMPTION

Groundwater investigation was conducted as part of the Phase Two ESA.

7.0 CONCLUSIONS

The Phase Two ESA investigated the eight APECs identified in the 2025 Phase One ESA and updated in this report to properly reflect the RSC property.

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, BH27, and MW9 where various contaminants in soil were identified. No groundwater impacts were identified above Table 3 SCS.

WSP was on-site between May 27, 2025 and July 25, 2025 to document the removal of the EC, pH, PAH and metal-impacted soil/fill from the two remediation areas and to collect confirmatory floor and wall samples after the remediations were completed.

A total of 203.85 metric tonnes (MT) (120 m^3) of impacted soil was transported from the remediation excavations at the property to the EWSWA Regional Landfill in Essex, Ontario.

The confirmatory samples from the limits of the two Remediation Areas were submitted for laboratory analysis based on each of the contaminants of concern. All soil samples from the final limits of the excavations (within the limits of the Phase Two Property) met the Table 3 SCS. No further remediation is required.

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.



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DS/CM

https://wsponlinecan.sharepoint.com/sites/ca-ca0046126.8978/shared documents/05. technical/phase two esa/ca0046126.8978 - rsc phase two esa (walker-cabana) - 3oct25.docx

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 Methylnaphthalene 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.
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).

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.
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	Grade Elevation (Top of Casing)	Screen Interval				Top of Sandpack	21-Feb-25 [2]		25-Feb-25		7-Mar-25		19-Mar-25		8-May-25	
	Northing	Easting	(geodetic datum)	(geodetic datum)	Top (m bgs)	Top (arbitrary datum)	Bottom (m bgs)	Bottom (arbitrary datum)	(m bgs)	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)	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	2.11	186.94
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	1.47	187.62
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	1.55	187.45
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	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	1.09	188.03
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	0.62	188.27
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	1.72	187.20
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	0.75	189.47

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
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

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	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						
						7.52	10.35	3.34	3.86	204						
MW8	03/20/25	1.5	No	No	Clear/ colourless	7.40	9.99	3.13	3.39	215	X	X	X	X	X	X
						7.42	9.94	3.76	3.34	216						
						7.47	9.86	4.90	3.29	216						
MW9	03/19/25	2.5	No	No	Clear/ colourless	6.96	13.31	1.54	1.76	64	X	X	X	X	X	X
						7.02	13.21	1.49	1.77	59						
						7.07	13.17	1.46	1.78	52						

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

Table 4. Summary of TCLP Analyses

	Sample No.		Reg.	TCLP-WD	TCLP-WD2
	Laboratory ID		558	2506351-01	2520054-01
	Sample Date		Schedule 4	5-Feb-25	12-May-25
	Analysis Date			12-Feb-25	16-May-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)	-
EPA 1311 - TCLP Leachate Organics					
2,4-Dinitrotoluene	0.0010	n/a	0.13	-	ND (0.0010)
Benzo[a]pyrene	0.0010	n/a	0.001	-	ND (0.0010)
Nitrobenzene	0.0010	n/a	2	-	ND (0.0010)
Hexachloroethane	0.0010	n/a	3	-	ND (0.0010)
Hexachlorobenzene	0.0500	n/a	0.13	-	ND (0.0500)
Hexachlorobutadiene	0.0010	n/a	0.5	-	ND (0.0010)
2,3,4,6-Tetrachlorophenol	0.0020	n/a	10	-	ND (0.0020)
2,4,5-Trichlorophenol	0.0010	n/a	400	-	ND (0.0010)
2,4,6-Trichlorophenol	0.0010	n/a	0.5	-	ND (0.0010)
2,4-Dichlorophenol	0.0010	n/a	90	-	ND (0.0010)
2-Methylphenol	0.0010	n/a	200	-	ND (0.0010)
3/4-Methylphenol	0.0010	n/a	200	-	ND (0.0010)
Pentachlorophenol	0.0050	n/a	6	-	ND (0.0050)

797 Concentration exceeds Schedule 4 of O. Reg. 347

RDL = Laboratory Analytical Reporting Detection Limit.

< = Less than RDL

Table 5

Summary of Petroleum Hydrocarbons & Volatile Organic Compound Soil Analyses

Sample Location		Criteria 1	MW1			MW2					MW3					MW4	MW5	MW6	MW8	
Sample No.		EPA Standards	MW1 SA2	MW1 SA3	MW1 SA4	MW2 SA3	MW2 SA3b	MW2 SA3c	AVG of MW2 SA3, MW2 SA3b & MW2 SA3c	MW2 SA4	MW3 SA1	MW3 SA3	DUPS-7 (MW3 SA3)	AVG	RPD	MW4 SA1	MW5 SA2	MW6 SA1	MW8 SA1	MW8 SA2
Sample Depth (m)		Full Depth	0.9-1.5	1.5-2.3	2.3-3.0	1.5-2.3	1.5-2.3	1.5-2.3		2.3-2.7	0.3-1.3	1.5-2.3	1.5-2.3			0.3-1.2	0.8-1.2	0.4-0.9	0.4-0.9	0.9-1.5
Laboratory ID		Non-Potable	2506346-01	2506346-02	2506346-03	2506346-04	2507405-04	2507405-05		2506346-05	2506346-06	2506346-07	2506346-55			2506346-08	2506346-09	2506346-11	2506346-14	2507405-24
Sample Date		Table 3	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25		4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25			4-Feb-25	4-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25
Analysis Date		R/P/I	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25		24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25			24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25
Parameters	**RDL**	**RL**	**Fine**																	
Petroleum Hydrocarbons (PHCs)																				
PHC F1 (C6 - C10) [a]	7	10	65	12	21	ND (7)	52	N/A	N/A	52	28	ND (7)	ND (7)	ND (7)	ND (7)	NC	ND (7)	ND (7)	ND (7)	ND (7)	N/A
PHC F2 (>C10 - C16)	4	10	150	7	9	ND (4)	27	N/A	N/A	27	7	ND (4)	ND (4)	ND (4)	ND (4)	NC	ND (4)	ND (4)	ND (4)	9	N/A
PHC F3 (>C16 - C34)	8	50	1300	ND (8)	ND (8)	ND (8)	ND (8)	N/A	N/A	ND (8)	ND (8)	ND (8)	ND (8)	ND (8)	ND (8)	NC	ND (8)	ND (8)	ND (8)	67	N/A
PHC F4 (>C34)	6	50	5600	ND (6)	ND (6)	ND (6)	ND (6)	N/A	N/A	ND (6)	ND (6)	ND (6)	12	ND (6)	8	NC	ND (6)	ND (6)	ND (6)	11	N/A
PHC F4 Gravimetric	50	50	5600	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	0.50	0.5	28	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	N/A	N/A	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	NC	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A
Benzene	0.02	0.02	0.17	ND (0.02)	ND (0.02)	ND (0.02)	**0.28**	ND (0.02)	ND (0.02)	0.11	ND (0.02)	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)
Bromodichloromethane	0.05	0.05	13	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Bromoform	0.05	0.05	0.26	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Bromomethane	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Carbon Tetrachloride	0.05	0.05	0.12	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Chlorobenzene (Monochlorobenzene)	0.05	0.05	2.7	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Chloroform	0.05	0.05	0.18	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dibromochloromethane	0.05	0.05	9.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichlorodifluoromethane	0.05	0.05	25	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichlorobenzene, 1,2- (o-DCB)	0.05	0.05	4.3	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichlorobenzene, 1,3- (m-DCB)	0.05	0.05	6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichlorobenzene, 1,4- (p-DCB)	0.05	0.05	0.097	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloroethane, 1,1- (1,1-DCA)	0.05	0.05	11	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloroethane, 1,2- (1,2-DCA)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloroethylene, 1,1- (1,1-DCE)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloroethylene, cis-1,2- (c-1,2-DCE)	0.05	0.05	30	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloroethylene, trans-1,2- (t-1,2-DCE)	0.05	0.05	0.75	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloropropane, 1,2-	0.05	0.05	0.085	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloropropene, cis-1,3-	0.05	0.05	-	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloropropene, trans-1,3-	0.05	0.05	-	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Dichloropropene, 1,3-	0.05	0.05	0.083	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Ethylbenzene	0.05	0.05	15	ND (0.05)	ND (0.05)	ND (0.05)	0.19	0.08	ND (0.05)	0.11	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylene Dibromide (Dibromoethane, 1,2-)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Hexane (n)	0.05	0.05	34	ND (0.05)	ND (0.05)	ND (0.05)	3.33	N/A	N/A	3.33	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Methyl Ethyl Ketone (MEK)	0.50	0.50	44	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	N/A	N/A	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	NC	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A
Methyl Isobutyl Ketone (MIBK)	0.50	0.50	4.3	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	N/A	N/A	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	NC	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A
Methyl Tert Butyl Ether (MTBE)	0.05	0.05	1.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Methylene Chloride (Dichloromethane)	0.05	0.05	0.96	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Styrene	0.05	0.05	2.2	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Tetrachloroethane, 1,1,1,2-	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Tetrachloroethane, 1,1,2,2-	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Tetrachloroethylene (PCE)	0.05	0.05	2.3	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Toluene	0.05	0.2	6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichloroethane, 1,1,1- (1,1,1-TCA)	0.05	0.05	3.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Trichloroethane, 1,1,2- (1,1,2-TCA)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Trichloroethylene (TCE)	0.05	0.05	0.52	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Trichlorofluoromethane	0.05	0.05	5.8	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A
Vinyl Chloride (VC)	0.02	0.02	0.022	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	N/A	N/A	N/A	ND (0.02)	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)	N/A
Xylenes, m,p-	0.05	-	-	0.11	ND (0.05)	ND (0.05)	0.21	0.14	ND (0.05)	0.13	0.18	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	0.10	ND (0.05)
Xylene, o-	0.05	-	-	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	0.06	ND (0.05)
Xylenes (total)	0.05	0.05	25	0.11	ND (0.05)	ND (0.05)	0.21	0.14	ND (0.05)	0.13	0.18	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	NC	ND (0.05)	ND (0.05)	ND (0.05)	0.16	ND (0.05)

Table 5

Summary of Petroleum Hydrocarbons & Volatile Organic Compou

Sample Location		Criteria 1	MW9			BH14		BH15			BH16	BH17		BH18		BH26		BH27			
Sample No.		EPA Standards	MW9 SA1	MW9 SA3	MW9 SA4	BH14 SA2	BH14 SA3	BH15 SA2	BH15 SA3	BH15 SA4	BH16 SA1	BH17 SA2	BH17 SA3	BH18 SA2	BH18 SA3	BH26 SA1	BH26 SA2	BH27 SA2	BH27 SA2b	BH27 SA2c	AVG of BH27 SA2, BH27 SA2b & BH27 SA2c
Sample Depth (m)		Full Depth	0-0.8	1.6-2.2	2.3-3.0	0.9-1.5	1.5-2.4	1.2-1.5	1.5-2.1	2.1-3.0	0.2-0.8	0.6-1.4	1.5-1.8	0.9-1.4	1.5-1.6	0.9-1.5	1.5-2.7	0.9-1.5	0.9-1.5	0.9-1.5	
Laboratory ID		Non-Potable	2506346-15	2506346-16	2507405-25	2506346-24	2506346-25	2506346-26	2506346-27	2507405-33	2506346-29	2506346-30	2506346-31	2506346-32	2506346-33	2506346-44	2506346-45	2506346-46	2507405-18	2507405-19	
Sample Date		Table 3	5-Feb-25	5-Feb-25	5-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25	
Analysis Date		R/P/I	24-Feb-25	24-Feb-25 (excavated)	24-Feb-25	24-Feb-25 (excavated)	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25 (excavated)	24-Feb-25	24-Feb-25 (excavated)	24-Feb-25 (excavated)	24-Feb-25 (excavated)	
Parameters	**RDL**	**RL**	**Fine**																		
Petroleum Hydrocarbons (PHCs)																					
PHC F1 (C6 - C10) [a]	7	10	65	ND (7)	ND (7)	ND (7)	ND (7)	ND (7)	49	41	12	ND (7)	8	ND (7)	ND (7)	ND (7)	ND (7)	51	ND (7)	N/A	N/A	N/A
PHC F2 (>C10 - C16)	4	10	150	7	9	ND (4)	ND (4)	ND (4)	27	46	ND (4)	7	ND (4)	ND (4)	8	ND (4)	ND (4)	26	51	ND (4)	ND (4)	20
PHC F3 (>C16 - C34)	8	50	1300	115	87	ND (8)	ND (8)	ND (8)	21	15	ND (8)	26	46	ND (8)	113	ND (8)	51	40	**1380**	ND (8)	44	478
PHC F4 (>C34)	6	50	5600	246	21	ND (6)	ND (6)	ND (6)	11	21	ND (6)	ND (6)	16	ND (6)	14	ND (6)	24	17	624	ND (6)	26	219
PHC F4 Gravimetric	50	50	5600	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	1360	N/A	N/A	N/A
Volatile Organic Compounds																						
Acetone	0.50	0.5	28	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	N/A	N/A
Benzene	0.02	0.02	0.17	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.12	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)
Bromodichloromethane	0.05	0.05	13	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Bromoform	0.05	0.05	0.26	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Bromomethane	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Carbon Tetrachloride	0.05	0.05	0.12	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Chlorobenzene (Monochlorobenzene)	0.05	0.05	2.7	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Chloroform	0.05	0.05	0.18	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dibromochloromethane	0.05	0.05	9.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichlorodifluoromethane	0.05	0.05	25	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichlorobenzene, 1,2- (o-DCB)	0.05	0.05	4.3	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichlorobenzene, 1,3- (m-DCB)	0.05	0.05	6	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichlorobenzene, 1,4- (p-DCB)	0.05	0.05	0.097	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloroethane, 1,1- (1,1-DCA)	0.05	0.05	11	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloroethane, 1,2- (1,2-DCA)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloroethylene, 1,1- (1,1-DCE)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloroethylene, cis-1,2- (c-1,2-DCE)	0.05	0.05	30	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloroethylene, trans-1,2- (t-1,2-DCE)	0.05	0.05	0.75	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloropropane, 1,2-	0.05	0.05	0.085	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloropropene, cis-1,3-	0.05	0.05	-	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloropropene, trans-1,3-	0.05	0.05	-	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Dichloropropene, 1,3-	0.05	0.05	0.083	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Ethylbenzene	0.05	0.05	15	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.13	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Ethylene Dibromide (Dibromoethane, 1,2-)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Hexane (n)	0.05	0.05	34	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Methyl Ethyl Ketone (MEK)	0.50	0.50	44	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	N/A	N/A
Methyl Isobutyl Ketone (MIBK)	0.50	0.50	4.3	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	ND (0.50)	N/A	N/A	N/A
Methyl Tert Butyl Ether (MTBE)	0.05	0.05	1.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Methylene Chloride (Dichloromethane)	0.05	0.05	0.96	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Styrene	0.05	0.05	2.2	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Tetrachloroethane, 1,1,1,2-	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Tetrachloroethane, 1,1,2,2-	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Tetrachloroethylene (PCE)	0.05	0.05	2.3	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Toluene	0.05	0.2	6	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Trichloroethane, 1,1,1- (1,1,1-TCA)	0.05	0.05	3.4	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Trichloroethane, 1,1,2- (1,1,2-TCA)	0.05	0.05	0.05	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Trichloroethylene (TCE)	0.05	0.05	0.52	ND (0.05)	0.15	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Trichlorofluoromethane	0.05	0.05	5.8	ND (0.05)	ND (0.05)	ND (0.05)	ND (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)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	N/A	N/A	N/A
Vinyl Chloride (VC)	0.02	0.02	0.022	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	N/A	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
Xylenes, m,p-	0.05	-	-	ND (0.05)	0.23	ND (0.05)	ND (0.05)	ND (0.05)	0.05	0.16	ND (0.05)	ND (0.05)	0.34	ND (0.05)	0.10	ND (0.05)	ND (0.05)	0.07	0.15	ND (0.05)	ND (0.05)	0.08
Xylene, o-	0.05	-	-	ND (0.05)	0.11	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	0.26	ND (0.05)	0.07	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)	ND (0.05)
Xylenes (total)	0.05	0.05	25	ND (0.05)	0.34	ND (0.05)	ND (0.05)	ND (0.05)	0.05	0.16	ND (0.05)	ND (0.05)	0.60	ND (0.05)	0.18	ND (0.05)	ND (0.05)	0.07	0.15	ND (0.05)	ND (0.05)	0.08

Table 6

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

	Sample Location		Criteria 1	MW1	MW2		MW3		MW4	MW5	MW6	MW8	MW9	
	Sample No.		EPA Standards	MW1 SA2	MW2 SA3	MW2 SA4	MW3 SA1	DUPS-7	MW4 SA1	MW5 SA2	MW6 SA1	MW8 SA1	MW9 SA1	MW9 SA3
	Sample Depth (m)		Full Depth	0.9-1.5	1.5-2.3	2.3-2.7	0.3-1.3	(MW3 SA3)	0.3-1.2	0.8-1.2	0.4-0.9	0.4-0.9	0-0.8	1.6-2.2
	Laboratory ID		Non-Potable	2506346-01	2506346-04	2507405-21	2506346-06	2506346-55	2506346-08	2506346-09	2506346-11	2506346-14	2506346-15	2506346-16
	Sample Date		Table 3	4-Feb-25	4-Feb-25	3-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25
	Analysis Date		R/P/I	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25
Parameters	**RDL**	**RL**	Fine											(excavated)
Acenaphthene	0.02	0.05	58	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	0.17	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)
Anthracene	0.02	0.05	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)
Benzo[a]anthracene	0.02	0.05	0.63	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.12	ND (0.02)	0.03	0.02	0.03	0.02
Benzo[a]pyrene	0.02	0.05	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)
Benzo[b]fluoranthene	0.02	0.05	0.78	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.14	ND (0.02)	0.05	0.03	0.05	ND (0.02)
Benzo[g,h,i]perylene	0.02	0.1	7.8	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)
Benzo[k]fluoranthene	0.02	0.05	0.78	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)
Chrysene	0.02	0.05	7.8	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.12	0.02	0.04	0.03	0.05	0.03
Dibenzo[a,h]anthracene	0.02	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)
Fluoranthene	0.02	0.05	0.69	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.33	0.03	0.07	0.04	0.07	0.05
Fluorene	0.02	0.05	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)
Indeno[1,2,3-cd]pyrene	0.02	0.1	0.48	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)
Methylnaphthalene, 1- [d]	0.02	-	3.4	0.03	0.28	0.31	ND (0.02)	ND (0.02)	ND (0.02)	0.03	ND (0.02)	0.06	ND (0.02)	0.08
Methylnaphthalene, 2- [d]	0.02	-	3.4	0.03	0.48	0.42	ND (0.02)	ND (0.02)	ND (0.02)	0.04	ND (0.02)	0.08	ND (0.02)	0.11
Methylnaphthalene, 1-, 2- [d]	0.04	0.05	3.4	0.06	0.76	0.74	ND (0.04)	ND (0.04)	ND (0.04)	0.07	ND (0.04)	0.14	ND (0.04)	0.19
Naphthalene	0.01	0.05	0.75	ND (0.01)	0.54	0.20	ND (0.01)	ND (0.01)	ND (0.01)	0.03	ND (0.01)	0.07	ND (0.01)	0.11
Phenanthrene	0.02	0.05	7.8	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.21	0.04	0.04	0.09	0.03	0.11
Pyrene	0.02	0.05	78	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.21	0.03	0.05	0.03	0.05	0.04

Table 6

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

Sample Location		Criteria 1	BH14						BH15	BH16	BH17		BH18		BH26	BH27
Sample No.		EPA Standards	BH14 SA1	BH14 SA2	BH14 SA2b	BH14 SA2c	AVG of BH14 SA2, BH14 SA2b & BH14 SA2c	BH14 SA3	BH15 SA2	BH16 SA1	BH17 SA2	BH17 SA3	BH18 SA2	BH18 SA3	BH26 SA2	BH27 SA2
Sample Depth (m)		Full Depth	0.2-0.9	0.9-1.5	0.9-1.5	0.9-1.5		1.5-2.4	1.2-1.5	0.2-0.8	0.6-1.4	1.5-1.8	0.9-1.4	1.5-1.6	1.5-2.7	0.9-1.5
Laboratory ID		Non-Potable	2522213-01	2506346-24	2507405-12	2507405-13		2507405-20	2506346-26	2506346-29	2506346-30	2506346-31	2506346-32	2506346-33	2506346-45	2506346-46
Sample Date		Table 3	27-May-25	4-Feb-25	4-Feb-25	4-Feb-25		4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	5-Feb-25
Analysis Date		R/P/I	30-May-25	24-Feb-25	24-Feb-25	24-Feb-25		24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25
Parameters	**RDL**	**RL**	Fine		(excavated)	(excavated)	(excavated)									(excavated)
Acenaphthene	0.02	0.05	58	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	0.17	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)
Anthracene	0.02	0.05	0.74	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)	0.03
Benzo[a]anthracene	0.02	0.05	0.63	ND (0.02)	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)	ND (0.02)	0.18
Benzo[a]pyrene	0.02	0.05	0.3	ND (0.02)	**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)	0.15
Benzo[b]fluoranthene	0.02	0.05	0.78	ND (0.02)	0.03	0.03	ND (0.02)	0.03	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.02)	0.03	ND (0.02)	0.16
Benzo[g,h,i]perylene	0.02	0.1	7.8	ND (0.02)	ND (0.02)	ND (0.02)	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)	0.11
Benzo[k]fluoranthene	0.02	0.05	0.78	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)	0.03
Chrysene	0.02	0.05	7.8	ND (0.02)	0.03	0.03	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.06	ND (0.02)	0.03	ND (0.02)	ND (0.02)	0.35
Dibenzo[a,h]anthracene	0.02	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)
Fluoranthene	0.02	0.05	0.69	ND (0.02)	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)	ND (0.02)	0.25
Fluorene	0.02	0.05	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)
Indeno[1,2,3-cd]pyrene	0.02	0.1	0.48	ND (0.02)	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)	0.08
Methylnaphthalene, 1- [d]	0.02	-	3.4	ND (0.02)	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)	ND (0.02)	0.11
Methylnaphthalene, 2- [d]	0.02	-	3.4	ND (0.02)	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)	ND (0.02)	0.15
Methylnaphthalene, 1-, 2- [d]	0.04	0.05	3.4	ND (0.04)	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)	ND (0.04)	0.26
Naphthalene	0.01	0.05	0.75	ND (0.01)	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)	ND (0.01)	0.08
Phenanthrene	0.02	0.05	7.8	ND (0.02)	0.02	0.02	ND (0.02)	0.02	ND (0.02)	ND (0.02)	0.14	ND (0.02)	0.11	ND (0.02)	ND (0.02)	0.45
Pyrene	0.02	0.05	78	ND (0.02)	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)	ND (0.02)	0.40

Table 6

Summary of Polycyclic Aromatic Hydrocarbon Soil Analyses

Sample Location		Criteria 1	BH14 Remedial Excavation													
Sample No.		EPA Standards	R1-SA1	R1-SA3	R1-SA7	DUPR-4	R1-SA10	R1-SA12	R1-SA14	R1-SA17	R1-SA21	R1-SA22	R1-SA24	R1-SA26	R1-SA27	R1-SA29
Sample Depth (m)		Full Depth	wall- 1.2	wall - 1.2	floor - 1.5	(R1-SA7)	floor - 1.5	wall - 1.2	floor - 1.5	wall - 1.2	floor - 1.5	wall - 1.2	wall - 1.2	wall - 1.2	wall - 1.2	wall - 1.2
Laboratory ID		Non-Potable	2522355-01	2522355-03	2522355-07	2522355-10	2522355-13	2522355-15	2522355-17	2522355-20	2522355-24	2522355-25	2522355-27	2522355-29	2523138-01	2523138-03
Sample Date		Table 3	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	2-Jun-25	2-Jun-25
Analysis Date		R/P/I	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	6-Jun-25	6-Jun-25
Parameters	**RDL**	**RL**	**Fine**	(excavated)						(excavated)							
Acenaphthene	0.02	0.05	58	0.04	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	0.17	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	0.74	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	0.63	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]pyrene	0.02	0.05	0.3	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[b]fluoranthene	0.02	0.05	0.78	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[g,h,i]perylene	0.02	0.1	7.8	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[k]fluoranthene	0.02	0.05	0.78	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	7.8	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)
Dibenzo[a,h]anthracene	0.02	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)
Fluoranthene	0.02	0.05	0.69	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)
Fluorene	0.02	0.05	69	0.05	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	0.48	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)
Methylnaphthalene, 1- [d]	0.02	-	3.4	**3.50**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.89	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.05	ND (0.02)	0.35	0.23
Methylnaphthalene, 2- [d]	0.02	-	3.4	**7.44**	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	1.84	ND (0.02)	ND (0.02)	ND (0.02)	ND (0.02)	0.11	ND (0.02)	0.52	0.42
Methylnaphthalene, 1-, 2- [d]	0.04	0.05	3.4	**10.9**	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	2.73	ND (0.04)	ND (0.04)	ND (0.04)	ND (0.04)	0.16	ND (0.04)	0.87	0.65
Naphthalene	0.01	0.05	0.75	**4.72**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	**1.25**	ND (0.01)	ND (0.01)	ND (0.01)	ND (0.01)	0.07	ND (0.01)	0.39	0.47
Phenanthrene	0.02	0.05	7.8	0.07	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)
Pyrene	0.02	0.05	78	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)

Table 7
Summary of Metal Soil Analyses

Sample Location		Criteria 1	MW1						MW2					MW3					MW4	MW5	MW6	MW8			
Sample No.		EPA Standards	MW1 SA2	MW1 SA2b	MW1 SA2c	AVG of MW1 SA2, MW1 SA2b & MW1 SA2c	MW1 SA3	MW1 SA4	MW2 SA3	MW2 SA4	MW2 SA4b	MW2 SA4c	AVG of MW2 SA4, MW2 SA4b & MW2 SA4c	MW3 SA1	MW3 SA3	DUPS-7	AVG	RPD	MW4 SA1	MW5 SA2	MW6 SA1	MW8 SA1	MW8 SA1b	MW8 SA1c	AVG of MW8 SA1, MW8 SA1b & MW8 SA1c
Sample Depth (m)		Full Depth	0.9-1.5	0.9-1.5	0.9-1.5		1.5-2.3	2.3-3.0	1.5-2.3	2.3-2.7	2.3-2.7	2.3-2.7		0.3-1.3	1.5-2.3	(MW3 SA3)			0.3-1.2	0.8-1.2	0.4-0.9	0.4-0.9	0.4-0.9	0.4-0.9	0.4-0.9	
Laboratory ID		Non-Potable	2506346-01	2507405-01	2507405-02		2507405-03	2506346-03	2506346-04	2506346-05	2507405-06	2507405-07		2506346-06	2506346-07	2506346-55			2506346-08	2506346-09	2506346-11	2506346-14	2507405-08	2507405-09	
Sample Date		Table 3	4-Feb-25	4-Feb-25	4-Feb-25		4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25		4-Feb-25	4-Feb-25	4-Feb-25			4-Feb-25	4-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25	
Analysis Date		R/P/I	24-Feb-25	24-Feb-25	24-Feb-25		24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25		24-Feb-25	24-Feb-25	24-Feb-25			24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	25-Feb-25	25-Feb-25	
Parameters	**RDL**	**RL**	**Fine**																						
SAR (Unitless)	0.01	-	5	1.05	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	1.71	0.30	N/A	N/A	N/A
EC (uS/cm)	5	0.005	700	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	532	**1070**	N/A	N/A	N/A
Cyanide (CN-)	0.03	0.05	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)	ND (0.03)	ND (0.03)	N/A	N/A	N/A
pH (range)	0.05	-	-	6.58	N/A	N/A	N/A	N/A	7.39	7.43	7.79	N/A	N/A	N/A	7.47	7.52	7.56	7.54	0.53	7.41	7.31	7.48	8.81	N/A	N/A	N/A
Antimony	1.0	1	7.5	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)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Arsenic	1.0	1	18	8.1	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	8.3	2.6	4.3	3.9	3.6
Barium	1.0	5	390	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	105	76.1	112	112	100.03
Beryllium	0.5	2	5	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	0.9	0.6	0.9	0.8	0.77
Boron (Available) [9]	0.5	0.5	1.5	**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	0.6	1.4	N/A	N/A	N/A
Boron (total)	5.0	5	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	12.3	6.9	11.9	10.1	9.63
Cadmium	0.5	1	1.2	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)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)
Chromium (vi)	0.2	0.2	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)	ND (0.2)	ND (0.2)	N/A	N/A	N/A
Chromium (Total)	5.0	5	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	27.3	20.2	29.1	27.5	25.6
Cobalt	1.0	2	22	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	9.5	1.1	4.7	3.5	3.1
Copper	5.0	5	180	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	11.9	13.9	23.8	20.6	19.43
Lead	1.0	10	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	20.2	28.4	37.2	40.9	35.5
Mercury [5]	0.1	0.1	1.8	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)	ND (0.1)	ND (0.1)	N/A	N/A	N/A
Molybdenum	1.0	2	6.9	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	1.5	**7.4**	3.1	3.4	4.63
Nickel	5.0	5	130	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	17.8	11.5	15.6	18.8	15.3
Selenium	1.0	1	2.4	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)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Silver	0.3	0.5	25	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)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)	ND (0.3)
Thallium	1.0	1	1	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)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)
Uranium	1.0	1	23	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)	1.2	ND (1.0)	1.0	ND (1.0)	ND (1.0)
Vanadium	10.0	10	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	48.1	ND (10.0)	27.7	20.3	19.3
Zinc	20.0	30	340	92.0	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	86.7	ND (20.0)	48.9	35.9	34.9

Table 7
Summary of Metal Soil Analyses

Sample Location		Criteria 1	MW9							BH14					BH15	BH16	BH17					BH18		BH26	BH27			
Sample No.		EPA Standards	MW9 SA1	MW9 SA3	MW9 SA3 Rev	MW9 SA3b	MW9 SA3c	AVG of MW9 SA3, MW9 SA3b & MW9 SA3c	MW9 SA4	BH14 SA2	BH14 SA2b	BH14 SA2c	AVG of BH14 SA2, BH14 SA2b & BH14 SA2c	BH14 SA3	BH15 SA2	BH16 SA1	BH17 SA2	BH17 SA2b	BH17 SA2c	AVG of BH17 SA2, BH17 SA2b & BH17 SA2c	BH17 SA3	BH18 SA2	BH18 SA3	BH26 SA2	BH27 SA2	BH27 SA2b	BH27 SA2c	AVG of BH27 SA2, BH27 SA2b & BH27 SA2c
Sample Depth (m)		Full Depth Non-Potable Table 3 R/P/I Fine	0-0.8	1.6-2.2	1.6-2.2	1.6-2.2	1.6-2.2		2.2-3.0	0.9-1.5	0.9-1.5	0.9-1.5		1.5-2.4	1.2-1.5	0.2-0.8	0.6-1.4	0.6-1.4	0.6-1.4		1.5-1.8	0.9-1.4	1.5-1.6	1.5-2.7	0.9-1.5	0.9-1.5	0.9-1.5	
Laboratory ID			2506346-15	2506346-16	2506346-16RE1	2507405-10	2507405-11		2506346-50	2506346-24	2507405-12	2507405-13		2507405-20	2506346-26	2506346-29	2506346-30	2507405-14	2507405-15		2506346-31	2506346-32	2506346-33	2506346-45	2506346-46	2507405-18	2507405-19	
Sample Date			5-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25		5-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25		4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25		4-Feb-25	4-Feb-25	4-Feb-25	4-Feb-25	5-Feb-25	5-Feb-25	5-Feb-25	
Analysis Date			24-Feb-25	24-Feb-25 (excavated)	(excavated)	(excavated)	(excavated)		12-Mar-25	(excavated)	(excavated)	(excavated)		24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25		24-Feb-25	24-Feb-25	24-Feb-25	24-Feb-25	(excavated)	(excavated)	(excavated)	
Parameters	**RDL**	**RL**																										
SAR (Unitless)	0.01	-	5	1.57	0.32	N/A	N/A	N/A	N/A	N/A	1.71	N/A	N/A	N/A	N/A	0.09	0.12	0.93	N/A	N/A	N/A	1.24	0.21	0.57	1.10	0.82	N/A	N/A	N/A
EC (uS/cm)	5	0.005	700	466	**1420**	N/A	**1650**	**1560**	**1543.33**	212	271	N/A	N/A	N/A	N/A	219	165	345	N/A	N/A	N/A	255	218	166	311	**958**	N/A	N/A	N/A
Cyanide (CN-)	0.03	0.05	0.051	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	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	-	-	7.90	**11.57**	**11.48**	**11.56**	**11.55**	**11.54**	7.81	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	7.49	**10.13**	N/A	N/A	N/A
Antimony	1.0	1	7.5	ND (1.0)	1.8	N/A	N/A	N/A	N/A	N/A	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)	3.5	ND (1.0)	ND (1.0)	1.83
Arsenic	1.0	1	18	9.6	5.7	N/A	N/A	N/A	N/A	N/A	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	12.1	**31.2**	11.0	9.1	17.1
Barium	1.0	5	390	94.9	113	N/A	N/A	N/A	N/A	N/A	98.0	N/A	N/A	N/A	N/A	58.1	68.5	57.8	67.8	91.7	72.43	76.1	52.4	99.9	110	97.9	85.4	97.8	93.7
Beryllium	0.5	2	5	0.9	1.0	N/A	N/A	N/A	N/A	N/A	1.1	N/A	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	1.2	0.7	0.8	0.8	0.77
Boron (Available) [9]	0.5	0.5	1.5	0.6	0.7	N/A	N/A	N/A	N/A	N/A	**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)	0.6	N/A	N/A	N/A
Boron (total)	5.0	5	120	19.7	27.9	N/A	N/A	N/A	N/A	N/A	11.8	N/A	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	15.7	10.7	10.6	10.5	10.6
Cadmium	0.5	1	1.2	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	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	10	ND (0.2)	0.8	N/A	N/A	N/A	N/A	N/A	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	160	28.4	38.7	N/A	N/A	N/A	N/A	N/A	30.1	N/A	N/A	N/A	N/A	9.9	22.5	22.5	34.2	39.7	32.13	27.0	28.2	31.1	34.0	**191**	38.4	35.4	88.27
Cobalt	1.0	2	22	10.0	2.5	N/A	N/A	N/A	N/A	N/A	8.1	N/A	N/A	N/A	N/A	3.6	10.0	2.8	3.0	3.5	3.1	12.0	1.9	11.4	14.4	9.9	9.8	7.4	9.03
Copper	5.0	5	180	20.6	30.2	N/A	N/A	N/A	N/A	N/A	17.1	N/A	N/A	N/A	N/A	10.8	16.2	23.3	38.3	32.7	31.43	24.8	20.1	19.6	24.4	112	46.6	39.6	66.07
Lead	1.0	10	120	13.4	50.1	N/A	N/A	N/A	N/A	N/A	14.3	N/A	N/A	N/A	N/A	9.9	9.6	**135**	112	106	117.67	12.7	54.2	12.6	18.1	**130**	27.6	38.7	65.43
Mercury [5]	0.1	0.1	1.8	ND (0.1)	ND (0.1)	N/A	N/A	N/A	N/A	N/A	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	6.9	2.5	3.1	N/A	N/A	N/A	N/A	N/A	1.8	N/A	N/A	N/A	N/A	1.6	2.5	2.4	4.7	4.9	4	3.8	3.0	2.6	3.4	**44.2**	4.8	4.6	**17.87**
Nickel	5.0	5	130	27.1	16.3	N/A	N/A	N/A	N/A	N/A	21.6	N/A	N/A	N/A	N/A	10.0	25.6	13.0	19.8	20.1	17.63	30.1	22.1	29.1	36.6	**241**	36.0	32.3	103.1
Selenium	1.0	1	2.4	ND (1.0)	2.0	N/A	N/A	N/A	N/A	N/A	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	25	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	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	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	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	23	1.2	1.6	N/A	N/A	N/A	N/A	N/A	1.7	N/A	N/A	N/A	N/A	1.1	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	ND (1.0)	1.1	ND (1.0)	1.2	1.2	ND (1.0)	ND (1.0)	1.3	ND (1.0)
Vanadium	10.0	10	86	45.3	13.3	N/A	N/A	N/A	N/A	N/A	47.5	N/A	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	55.6	22.2	39.0	34.4	31.87
Zinc	20.0	30	340	70.2	178	N/A	N/A	N/A	N/A	N/A	70.4	N/A	N/A	N/A	N/A	39.4	57.5	55.2	73.7	103	77.3	62.0	22.4	63.2	88.2	124	62.4	87.5	91.3

Table 7
Summary of Metal Soil Analyses

Sample Location		Criteria 1	MW9 Delineation Test Pits														BH14 Remedial Excavation								MW9 Remedial Excavation					
Sample No.		EPA Standards	TP1N SA1	DUPR-1	TP3N SA1	TP5N SA1	AVG of TP3N SA1 and TP5N SA1	TP1W SA1	TP3W SA1	AVG of TP1W SA1 and TP3W SA1	TP5W SA1	TP1S SA1	TP1E SA1	TP3E SA1	TP5E SA1	AVG of TP3E SA1 and TP5E SA1	R1-SA3	R1-SA7	R1-SA10	R1-SA22	R1-SA24	R1-SA26	R1-SA27	R1-SA29	R2-SA1	R2-SA2	R2-SA3	R2-SA4	R2-SA5	R2-SA6
Sample Depth (m)		Full Depth	1 m north of MW9	(TP1N SA1)	3 m north of MW9	5 m north of MW9		1 m west of MW9	3 m west of MW9		5 m west of MW9	1 m south of MW9	1 m east of MW9	3 m east of MW9	5 m east of MW9		wall - 1.2	floor - 1.5	floor - 1.5	wall - 1.2	wall - 1.2	wall - 1.2	wall - 1.2	wall - 1.2	floor - 2.3	floor - 2.3	wall - 2.0	wall - 2.0	wall - 2.0	wall - 2.0
Laboratory ID		Non-Potable	2522213-02	2522213-14	2522213-03	2522213-04		2522213-05	2522213-06		2522213-07	2522213-08	2522213-11	2522213-12	2522213-13		2522355-03	2522355-07	2522355-13	2522355-25	2522355-27	2522355-29	2523138-01	2523138-03	2530134-01	2530134-02	2530134-03	2530134-04	2530134-05	2530134-06
Sample Date		Table 3	27-May-25	27-May-25	27-May-25	27-May-25		27-May-25	27-May-25		27-May-25	27-May-25	27-May-25	27-May-25	27-May-25		28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	28-May-25	2-Jun-25	2-Jun-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25	22-Jul-25
Analysis Date		R/P/I	30-May-25	30-May-25	30-May-25	30-May-25		30-May-25	30-May-25		30-May-25	30-May-25	30-May-25	30-May-25	30-May-25		2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	2-Jun-25	6-Jun-25	6-Jun-25	23-Jul-25	23-Jul-25	23-Jul-25	23-Jul-25	23-Jul-25	23-Jul-25
Parameters	**RDL**	**RL**	Fine																											
SAR (Unitless)	0.01	-	5	N/A	N/A	N/A	N/A	N/A	(excavated)	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
EC (uS/cm)	5	0.005	700	**736**	**774**	531	512	522	**732**	563	648	527	400	278	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	205	146	282	217	152	221
Cyanide (CN-)	0.03	0.05	0.051	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
pH (range)	0.05	-	-	**11.15**	**11.04**	**11.12**	10.85	10.96	**11.52**	10.53	10.79	10.06	8.79	**11.12**	**11.60**	7.92	8.22	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	9.07	9.93	10.47	10.99	10.81	10.95
Antimony	1.0	1	7.5	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	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	N/A
Arsenic	1.0	1	18	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	10.9	14.4	13.2	8.5	10.9	9.9	6.1	8.3	N/A	N/A	N/A	N/A	N/A	N/A
Barium	1.0	5	390	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	126	84.5	91.3	95.9	99.4	101	185	163	N/A	N/A	N/A	N/A	N/A	N/A
Beryllium	0.5	2	5	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	0.9	1.1	0.9	0.9	1.0	1.1	0.7	1.0	N/A	N/A	N/A	N/A	N/A	N/A
Boron (Available) [9]	0.5	0.5	1.5	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
Boron (total)	5.0	5	120	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	10.1	16.1	13.2	11.1	10.2	7.5	15.6	16.6	N/A	N/A	N/A	N/A	N/A	N/A
Cadmium	0.5	1	1.2	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	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	ND (0.5)	N/A	N/A	N/A	N/A	N/A	N/A
Chromium (vi)	0.2	0.2	10	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
Chromium (Total)	5.0	5	160	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	30.0	28.3	24.5	27.3	28.3	30.7	20.3	32.2	N/A	N/A	N/A	N/A	N/A	N/A
Cobalt	1.0	2	22	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	12.3	13.9	12.7	11.9	14.1	9.8	8.2	11.7	N/A	N/A	N/A	N/A	N/A	N/A
Copper	5.0	5	180	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	17.6	26.5	23.7	18.1	24.2	21.5	15.8	27.0	N/A	N/A	N/A	N/A	N/A	N/A
Lead	1.0	10	120	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	13.4	12.6	12.2	13.2	14.4	18.1	14.0	24.6	N/A	N/A	N/A	N/A	N/A	N/A
Mercury [5]	0.1	0.1	1.8	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
Molybdenum	1.0	2	6.9	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	2.6	3.8	3.2	2.8	2.5	2.4	2.2	3.1	N/A	N/A	N/A	N/A	N/A	N/A
Nickel	5.0	5	130	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	29.5	35.6	32.1	28.8	33.3	28.6	21.3	32.4	N/A	N/A	N/A	N/A	N/A	N/A
Selenium	1.0	1	2.4	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	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	N/A
Silver	0.3	0.5	25	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	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	N/A
Thallium	1.0	1	1	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	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	N/A
Uranium	1.0	1	23	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	1.1	1.0	ND (1.0)	1.1	1.4	ND (1.0)	1.1	1.3	N/A	N/A	N/A	N/A	N/A	N/A
Vanadium	10.0	10	86	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	49.0	50.6	43.8	47.4	50.9	46.4	35.0	46.3	N/A	N/A	N/A	N/A	N/A	N/A
Zinc	20.0	30	340	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	80.9	65.5	53.6	68.4	65.9	67.1	59.6	87.7	N/A	N/A	N/A	N/A	N/A	N/A

Table 8

Summary of Petroleum Hydrocarbons & Volatile Organic Compound Ground Water Analyses

	Sample ID		Criteria 1	MW1	MW2	MW3	MW4	MW5	MW6	MW8	MW9				QA/QC				
			EPA Standards								MW9	DUPW-WD2	AVG	RPD	Field Blank 1	Trip Blank 1	Trip Spike 1	Trip Blank 2	Trip Spike 2
	Laboratory ID		Full Depth	WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-008	WT2505933-009	WT2505933-015			WT2505933-016	WT2505933-017	WT2505933-018	WT2505933-020	WT2505933-021
	Sample Date		Non-Potable	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25			19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25
	Analysis Date		Table 3	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	31-Mar-25	31-Mar-25
Parameters	**RDL**	**RL**	Fine																
Petroleum Hydrocarbons (PHCs)																			
PHC F1 (C6-C10)[a]	25	25	750	<25	84	<25	<25	<25	<25	<25	<25	<25	<25	NC	<25	<25	**69.5**	<25	**71.1**
PHC F2 (>C10 - C16)	100	100	150	<100	<100	<100	<100	<100	<100	<100	<100	<100	<100	NC	-	-	-	-	-
PHC F3 (>C16 - C34)	250	500	500	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	NC	-	-	-	-	-
PHC F4 (>C34)	250	500	500	<250	<250	<250	<250	<250	<250	<250	<250	<250	<250	NC	-	-	-	-	-
Volatile Organic Compounds (VOCs)																			
Acetone	20	30	130000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NC	<20	<20	**129.3**	<20	**115.29**
Benzene	0.50	0.5	430	<0.50	8.69	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**104.22**	<0.50	**103.96**
Bromodichloromethane	0.50	2	85000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**113.81**	<0.50	**110.53**
Bromoform	0.50	5	770	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**108.67**	<0.50	**104.1**
Bromomethane	0.50	0.5	56	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**83.78**	<0.50	**84.39**
Carbon Tetrachloride	0.20	0.2	8.4	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NC	<0.20	<0.20	**117.32**	<0.20	**120.36**
Chlorobenzene (Monochlorobenzene)	0.50	0.5	630	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**108.2**	<0.50	**107.67**
Chloroform	0.50	1	22	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**117.66**	<0.50	**116.82**
Dibromochloromethane	0.50	2	82000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**121.13**	<0.50	**115.61**
Dibromethane, 1,2	0.20	5	5500	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NC	<0.20	<0.20	**105.73**	<0.20	**98.81**
Dichlorobenzene, 1,2- (o-DCB)	0.50	0.5	9600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**99.63**	<0.50	**98.95**
Dichlorobenzene, 1,3- (m-DCB)	0.50	0.5	9600	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**98.76**	<0.50	**100.42**
Dichlorobenzene, 1,4- (p-DCB)	0.50	0.5	67	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**96.7**	<0.50	**97.88**
Dichlorodifluoromethane	0.50	2	4400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**69.67**	<0.50	**76.29**
Dichloroethane, 1,1- (1,1-DCA)	0.50	0.5	3100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**110.29**	<0.50	**94.46**
Dichloroethane, 1,2- (1,2-DCA)	0.50	0.5	12	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**110.78**	<0.50	**104.7**
Dichloroethylene, 1,1- (1,1-DCE)	0.50	0.5	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**104.88**	<0.50	**107.92**
Dichloroethylene, cis-1,2- (c-1,2-DCE)	0.50	0.5	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**114.42**	<0.50	**113.37**
Dichloroethylene, trans-1,2- (t-1,2-DCE)	0.50	0.5	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**112.39**	<0.50	**114.19**
Dichloromethane	1.0	1	5500	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	NC	<1.0	<1.0	**113.24**	<1.0	**110.69**
Dichloropropane, 1,2-	0.50	0.5	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**106.85**	<0.50	**104.03**
Dichloropropene, 1,3-	0.50	0.5	45	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<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	<0.30	<0.30	NC	<0.30	<0.30	**91.08**	<0.30	**86.94**
Dichloropropene, trans-1,3-	0.30	0.5	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NC	<0.30	<0.30	**84.47**	<0.30	**79.78**
Ethylbenzene	0.50	0.5	2300	<0.50	8.96	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**99.75**	<0.50	**100.96**
Hexane	0.50	5	520	<0.50	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**71.81**	<0.50	**61.04**
Methyl Ethyl Ketone (MEK)	20	20	1500000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NC	<20	<20	**98.27**	<20	**86.67**
Methyl Isobutyl Ketone (MIBK)	20	20	580000	<20	<20	<20	<20	<20	<20	<20	<20	<20	<20	NC	<20	<20	**99.96**	<20	**87.35**
Methyl Tert Butyl Ether (MTBE)	0.50	2	1400	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**95.18**	<0.50	**95.06**
Styrene	0.50	0.5	9100	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**103.27**	<0.50	**101.23**
Tetrachloroethane, 1,1,1,2-	0.50	0.5	28	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**113.09**	<0.50	**111.15**
Tetrachloroethane, 1,1,2,2-	0.50	0.5	15	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**104.88**	<0.50	**98.98**
Tetrachloroethylene (PCE)	0.50	0.5	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**109.63**	<0.50	**113.38**
Toluene	0.50	0.5	18000	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**99.75**	<0.50	**100.74**
Trichloroethane, 1,1,1- (1,1,1-TCA)	0.50	0.5	6700	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**111.05**	<0.50	**113.5**
Trichloroethane, 1,1,2- (1,1,2-TCA)	0.50	0.5	30	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**103.59**	<0.50	**98.19**
Trichloroethylene (TCE)	0.50	0.5	17	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**115.71**	<0.50	**117.81**
Trichlorofluoromethane	0.50	5	2500	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	**104.81**	<0.50	**109.6**
Vinyl Chloride	0.50	0.5	1.7	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20	NC	<0.20	<0.20	**92.4**	<0.20	**96.35**
Xylenes, m,p-	0.40	-	-	<0.40	0.41	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40	NC	<0.40	<0.40	**98.5**	<0.40	**100**
Xylene, o-	0.30	-	-	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	<0.30	NC	<0.30	<0.30	**99.37**	<0.30	**99.68**
Xylenes (total)	0.50	0.5	4200	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC	<0.50	<0.50	-	<0.50	-

Table 9

Summary of Polycyclic Aromatic Hydrocarbon Ground Water Analyses

	Sample ID		Criteria 1	MW1	MW2	MW3	MW4	MW5	MW6	MW7	MW8	MW9			
			EPA Standards									MW9	DUPW-WD2	AVG	RPD
	Laboratory ID		Full Depth	WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-007	WT2505933-008	WT2505933-009	WT2505933-015		
	Sample Date		Non-Potable	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25		
	Analysis Date		Table 3	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		
Parameters	**RDL**	**RL**	**Fine**												
Acenaphthene	0.010	0.010	1700	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Acenaphthylene	0.010	0.010	1.8	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Anthracene	0.010	0.010	2.4	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Benzo[a]anthracene	0.010	0.010	4.7	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Benzo[a]pyrene	0.0050	0.0050	0.81	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Benzo[b+j]fluoranthene	0.010	0.010	-	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Benzo[g,h,i]perylene	0.010	0.010	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Benzo[k]fluoranthene	0.010	0.010	0.4	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Chrysene	0.010	0.010	1	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Dibenzo[a,h]anthracene	0.0050	0.0050	0.52	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Fluoranthene	0.010	0.010	130	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Fluorene	0.010	0.010	400	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Indeno[1,2,3-cd]pyrene	0.010	0.010	0.2	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC
Methylnaphthalene, 1-,2-e	0.015	0.015	1800	<0.015	0.237	<0.015	<0.015	<0.015	<0.015	<0.015	<0.015	0.066	0.075	0.0705	NC
Methylnaphthalene, 1-e	0.010	0.010	1800	<0.010	0.132	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.038	0.043	0.0405	NC
Methylnaphthalene, 2-e	0.010	0.010	1800	<0.010	0.105	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	0.028	0.032	0.03	NC
Naphthalene	0.050	0.050	6400	<0.050	<0.600	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	0.075	0.083	0.079	NC
Phenanthrene	0.020	0.020	580	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	NC
Pyrene	0.010	0.010	68	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	NC

Table 10

Summary of Metal Ground Water Analyses

	Sample ID		Criteria 1	MW1	MW2	MW3	MW4	MW5	MW6	MW8	MW9			
	Laboratory ID		EPA Standards	WT2505933-001	WT2505933-002	WT2505933-003	WT2505933-004	WT2505933-005	WT2505933-006	WT2505933-008	MW9 WT2505933-009	DUPW-WD2 WT2505933-015	AVG	RPD
	Sample Date		Full Depth	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	19-Mar-25	20-Mar-25	20-Mar-25	19-Mar-25	19-Mar-25		
	Analysis Date		Non-Potable	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		
Parameters	RDL	RL	Table 3 Fine											
Cyanide	2	2	66	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	NC
Conductivity	0.001	0.001	-	2.33	2.02	1.62	1.58	2.75	3.87	3.45	1.57	1.58	1.575	0.63
pH	0.1	0.1	-	7.69	7.78	7.82	7.85	7.85	7.53	8.02	11.99	11.97	11.98	0.17
Chloride	500	500	2300000	339000	303000	39600	148000	105000	48700	31600	59900	60600	60250	1.16
Mercury	0.0050	0.0050	2.8	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	<0.0050	NC
Antimony	0.10	0.10	20000	1.02	<1.00	<1.00	0.51	<1.00	<1.00	<1.00	2.23	<1.00	1.615	NC
Arsenic	0.10	0.10	1900	<1.00	<1.00	<1.00	0.43	1.98	<1.00	<1.00	18.6	1.83	10.215	**164.17**
Barium	0.10	0.10	2900	41.7	50.5	32.6	59.3	33.0	24.4	29.7	557	56.9	306.95	**162.93**
Beryllium	0.020	0.020	67	<0.200	<0.200	<0.200	<0.020	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	NC
Boron (total)	10	10	45000	445	274	469	191	392	480	509	<100	<100	<100	NC
Cadmium	0.0050	0.0050	2.7	0.116	0.100	0.0750	0.112	<0.0500	0.106	0.160	0.238	<0.0500	0.144	NC
Chromium (VI)	0.5	0.5	140	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	NC
Chromium (total)	0.50	0.50	810	<5.00	<5.00	<5.00	<0.50	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	NC
Cobalt	0.10	0.10	66	2.49	11.6	6.05	8.34	11.9	10.9	13.0	2.14	<1.00	1.57	NC
Copper	0.20	0.20	87	<2.00	<2.00	<2.00	4.57	<2.00	<2.00	2.48	6.37	<2.00	4.185	NC
Lead	0.050	0.050	25	<0.500	<0.500	<0.500	<0.050	<0.500	<0.500	<0.500	0.733	<0.500	0.62	NC
Molybdenum	0.050	0.050	9200	35.3	34.7	42.4	8.41	22.2	29.0	22.1	1260	117	688.5	**166.01**
Nickel	0.50	0.50	490	17.6	10.7	9.88	6.76	19.8	29.0	25.7	28.6	<5.00	16.8	NC
Selenium	0.050	0.050	63	4.74	1.04	2.73	0.704	1.31	1.63	2.52	42.4	3.57	22.985	**168.94**
Silver	0.010	0.010	1.5	<0.100	<0.100	<0.100	<0.010	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NC
Sodium	50	50	2300000	72400	93400	67000	65000	91300	141000	124000	485000	49900	267450	**162.68**
Thallium	0.010	0.010	510	<0.100	<0.100	<0.100	0.022	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	NC
Uranium	0.010	0.010	420	18.3	18.1	13.4	15.8	19.4	28.4	29.0	<0.100	<0.100	<0.100	NC
Vanadium	0.50	0.50	250	<5.00	<5.00	<5.00	<0.50	<5.00	<5.00	<5.00	11.7	<5.00	8.35	NC
Zinc	1.0	1.0	1100	<10.0	13.4	<10.0	4.3	10.1	<10.0	14.3	<10.0	<10.0	<10.0	NC

Table 11
Maximum Concentration in Soil

Parameter	BH/MW	Location	Depth (m bgs)	Concentration (µg/g) [1]
O.Reg. 153/04 Metals				
Sodium Adsorption Ratio (SAR (unitless)	MW6 SA1	Northeastern corner of property	0.4-0.9	1.71
Electrical Conductivity (EC) (uS/cm)	TP3W SA1	Southeastern corner of property	1.6-2.2	563
Cyanide	--	All boreholes analyzed	--	<0.03
Antimony	BH17 SA2	Centre of property	0.6-1.4	1.13
Arsenic	R1-SA7	Northwestern corner of property	1.5	14.4
Barium	R1-SA27	Northwestern corner of property	1.2	185
Beryllium	BH26 SA2	Northwestern corner of property	1.5-2.7	1.2
Boron (available)	MW8 SA1	Eastern side of property	0.4-0.9	1.4
Boron (total)	MW9 SA1	Southeastern corner of property	0.4-0.9	19.7
Cadmium	MW4 SA1	Southwestern corner of property	0.3-1.2	0.5
Chromium (VI)	BH17 SA2	Centre of property	0.6-1.4	0.2
Chromium (Total)	BH26 SA2	Northwestern corner of property	1.5-2.7	34
Cobalt	BH26 SA2	Northwestern corner of property	1.5-2.7	14.4
Copper	MW5 SA2	Northern portion of property	0.8-1.2	52.3
Lead	BH17 SA2	Centre of property	0.6-1.4	117.67
Mercury	--	All boreholes analyzed	--	<0.1
Molybdenum	MW2 SA4	Northwestern corner of property	2.3-2.7	5.83
Nickel	BH26 SA2	Northwestern corner of property	1.5-2.7	36.6
Selenium	--	All boreholes analyzed	--	<1.0
Silver	--	All boreholes analyzed	--	<0.3
Thallium	--	All boreholes analyzed	--	<1.0
Uranium	BH14 SA2	Northwestern corner of property	0.9-1.5	1.7
Vanadium	BH26 SA2	Northwestern corner of property	1.5-2.7	55.6
Zinc	MW4 SA1	Southwestern corner of property	0.3-1.2	96.8
VOCs				
Acetone	--	All boreholes analyzed	--	<0.50
Benzene	BH15 SA3	Northwestern corner of property	1.5-2.1	0.12
Bromodichloromethane	--	All boreholes analyzed	--	<0.05
Bromoform	--	All boreholes analyzed	--	<0.05
Bromomethane	--	All boreholes analyzed	--	<0.05
Carbon Tetrachloride	--	All boreholes analyzed	--	<0.05
Chlorobenzene (Monochlorobenzene)	--	All boreholes analyzed	--	<0.05
Chloroform	--	All boreholes analyzed	--	<0.05
Dibromochloromethane	--	All boreholes analyzed	--	<0.05
Dichlorodifluoromethane	--	All boreholes analyzed	--	<0.05
Dichlorobenzene, 1,2- (o-DCB)	--	All boreholes analyzed	--	<0.05
Dichlorobenzene, 1,3- (m-DCB)	--	All boreholes analyzed	--	<0.05
Dichlorobenzene, 1,4- (p-DCB)	--	All boreholes analyzed	--	<0.05
Dichloroethane, 1,1- (1,1-DCA)	--	All boreholes analyzed	--	<0.05
Dichloroethane, 1,2- (1,2-DCA)	--	All boreholes analyzed	--	<0.05
Dichloroethylene, 1,1- (1,1-DCE)	--	All boreholes analyzed	--	<0.05
Dichloroethylene, cis-1,2- (c-1,2-DCE)	--	All boreholes analyzed	--	<0.05
Dichloroethylene, trans-1,2- (t-1,2-DCE)	--	All boreholes analyzed	--	<0.05
Dichloropropane, 1,2-	--	All boreholes analyzed	--	<0.05
Dichloropropene, cis-1,3-	--	All boreholes analyzed	--	<0.05
Dichloropropene, trans-1,3-	--	All boreholes analyzed	--	<0.05
Dichloropropene, 1,3-	--	All boreholes analyzed	--	<0.05
Ethylbenzene	BH15 SA3	Northwestern corner of property	1.5-2.1	0.13
Ethylene Dibromide (Dibromoethane, 1,2-)	--	All boreholes analyzed	--	<0.05
Hexane (n)	MW2 SA3	Northwestern corner of property	1.5-2.3	3.33
Methyl Ethyl Ketone (MEK)	--	All boreholes analyzed	--	<0.05
Methyl Isobutyl Ketone (MIBK)	--	All boreholes analyzed	--	<0.05
Methyl Tert Butyl Ether (MTBE)	--	All boreholes analyzed	--	<0.05
Methylene Chloride (Dichloromethane)	--	All boreholes analyzed	--	<0.05
Styrene	--	All boreholes analyzed	--	<0.05
Tetrachloroethane, 1,1,1,2-	--	All boreholes analyzed	--	<0.05
Tetrachloroethane, 1,1,2,2-	--	All boreholes analyzed	--	<0.05
Tetrachloroethylene (PCE)	--	All boreholes analyzed	--	<0.05
Toluene	--	All boreholes analyzed	--	<0.05
Trichloroethane, 1,1,1- (1,1,1-TCA)	--	All boreholes analyzed	--	<0.05
Trichloroethane, 1,1,2- (1,1,2-TCA)	--	All boreholes analyzed	--	<0.05
Trichloroethylene (TCE)	--	All boreholes analyzed	--	<0.05
Trichlorofluoromethane	--	All boreholes analyzed	--	<0.05
Vinyl Chloride (VC)	--	All boreholes analyzed	--	<0.02
Xylenes, m,p-	BH17 SA2	Centre of property	0.6-1.4	0.34
Xylene, o-	BH17 SA2	Centre of property	0.6-1.4	0.26
Xylenes (total)	BH17 SA2	Centre of property	0.6-1.4	0.6
PHCs				
F1 PHCs (C6-C10)	MW2 SA3	Northwestern corner of property	1.5-2.3	52
F2 PHCs (C10-C16)	BH15 SA3	Northwestern corner of property	1.5-2.1	46
F3 PHCs (C16-C34)	BH18 SA2	Eastern side of property	0.9-1.4	113
F4 PHCs (C34-C50)	MW9 SA1	Southeastern corner of property	0-0.8	246
F4g PHCs (gravimetric)	MW9 SA1	Southeastern corner of property	0-0.8	684
PAHs				
Acenaphthene	--	All boreholes analyzed	--	<0.02
Acenaphthylene	--	All boreholes analyzed	--	<0.02
Anthracene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.05
Benzo[a]anthracene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.12
Benzo[a]pyrene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.1
Benzo[b]fluoranthene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.14
Benzo[g,h,i]perylene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.06
Benzo[k]fluoranthene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.05
Chrysene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.12
Dibenzo[a,h]anthracene	--	All boreholes analyzed	--	<0.02
Fluoranthene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.33
Fluorene	--	All boreholes analyzed	--	<0.02
Indeno[1,2,3-cd]pyrene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.07
Methylnaphthalene (1&2)	MW2 SA3	Northwestern corner of property	1.5-2.3	0.76
Naphthalene	MW2 SA3	Northwestern corner of property	1.5-2.3	0.54
Phenanthrene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.21
Pyrene	MW4 SA1	Southwestern corner of property	0.3-1.2	0.21

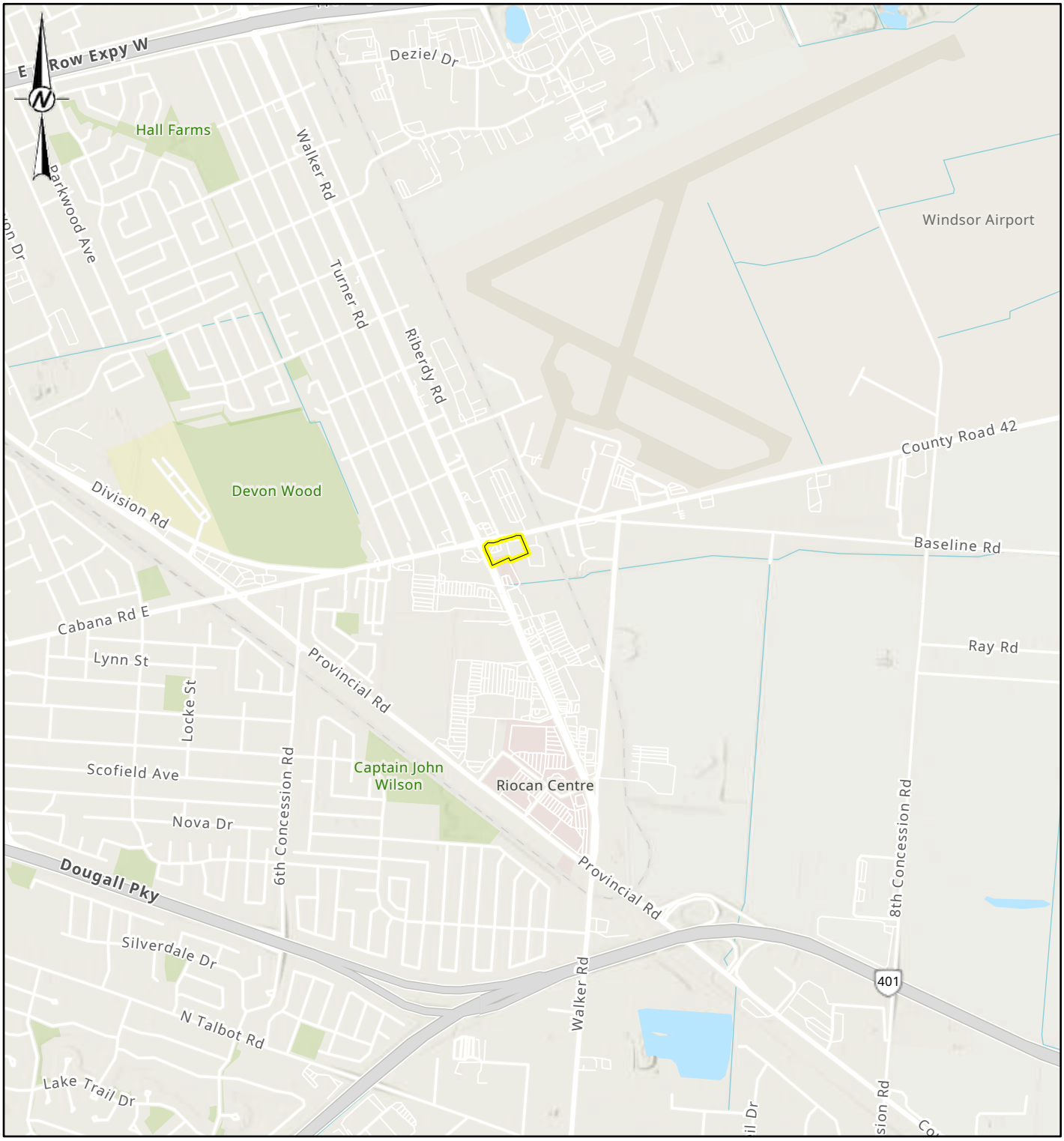
Note:
(1) Units for concentrations are µg/g, unless otherwise noted.

Table 12
Maximum Concentration in Ground Water

Parameter	BH/MW	Location	Concentration (µg/L) [1]
Metals & Inorganics			
Cyanide	--	All monitoring wells analyzed	<2.0
Conductivity	MW6	Northeastern corner of property	3.87
Chloride	MW1	Northwestern corner of property	339000
Mercury	--	All monitoring wells analyzed	<0.0050
Antimony	MW9	Southeastern corner of property	2.23
Arsenic	MW9	Southeastern corner of property	18.6
Barium	MW9	Southeastern corner of property	306.95
Beryllium	--	All monitoring wells analyzed	<0.200
Boron (total)	MW8	Eastern side of property	509
Cadmium	MW9	Southeastern corner of property	0.238
Chromium (VI)	--	All monitoring wells analyzed	<0.50
Chromium (total)	--	All monitoring wells analyzed	<5.00
Cobalt	MW8	Eastern side of property	13.00
Copper	MW9	Southeastern corner of property	4.19
Lead	MW9	Southeastern corner of property	0.62
Molybdenum	MW9	Southeastern corner of property	688.5
Nickel	MW6	Northeastern corner of property	29.0
Selenium	MW9	Southeastern corner of property	22.99
Silver	--	All monitoring wells analyzed	<0.100
Sodium	MW9	Southeastern corner of property	267450
Thallium	MW4	Southwestern corner of property	0.022
Uranium	MW8	Eastern side of property	29.0
Vanadium	MW9	Southeastern corner of property	8.35
Zinc	MW8	Eastern side of property	14.3
PAHs			
Acenaphthene	--	All monitoring wells analyzed	<0.010
Acenaphthylene	--	All monitoring wells analyzed	<0.010
Anthracene	--	All monitoring wells analyzed	<0.010
Benzo[a]anthracene	--	All monitoring wells analyzed	<0.010
Benzo[a]pyrene	--	All monitoring wells analyzed	<0.0050
Benzo[b]fluoranthene	--	All monitoring wells analyzed	<0.010
Benzo[g,h,i]perylene	--	All monitoring wells analyzed	<0.010
Benzo[k]fluoranthene	--	All monitoring wells analyzed	<0.010
Chrysene	--	All monitoring wells analyzed	<0.010
Dibenzo[a,h]anthracene	--	All monitoring wells analyzed	<0.0050
Fluoranthene	--	All monitoring wells analyzed	<0.010
Fluorene	--	All monitoring wells analyzed	<0.010
Indeno[1,2,3-cd]pyrene	--	All monitoring wells analyzed	<0.010
Methylnaphthalene, 1-[e]	MW2	Northwestern corner of property	0.132
Methylnaphthalene, 2-[e]	MW2	Northwestern corner of property	0.105
Methylnaphthalene, 1,2-[e]	MW2	Northwestern corner of property	0.237
Naphthalene	MW9	Southeastern corner of property	0.079
Phenanthrene	--	All monitoring wells analyzed	<0.020
Pyrene	--	All monitoring wells analyzed	<0.010
VOCs			
Acetone	--	All monitoring wells analyzed	<20
Benzene	MW2	Northwestern corner of property	8.69
Bromodichloromethane	--	All monitoring wells analyzed	<0.50
Bromoform	--	All monitoring wells analyzed	<0.50
Bromomethane	--	All monitoring wells analyzed	<0.50
Carbon Tetrachloride	--	All monitoring wells analyzed	<0.20
Chlorobenzene	--	All monitoring wells analyzed	<0.50
Chloroform	--	All monitoring wells analyzed	<0.50
Dibromochloromethane	--	All monitoring wells analyzed	<0.50
Ethylene dibromide (dibromoethane, 1,2-)	--	All monitoring wells analyzed	<0.20
1,2-Dichlorobenzene	--	All monitoring wells analyzed	<0.50
1,3-Dichlorobenzene	--	All monitoring wells analyzed	<0.50
1,4-Dichlorobenzene	--	All monitoring wells analyzed	<0.50
1,1-Dichloroethane	--	All monitoring wells analyzed	<0.50
1,2-Dichloroethane	--	All monitoring wells analyzed	<0.50
1,1-Dichloroethylene	--	All monitoring wells analyzed	<0.50
cis-1,2-Dichloroethylene	--	All monitoring wells analyzed	<0.50
trans-1,2-Dichloroethylene	--	All monitoring wells analyzed	<0.50
1,2-Dichloroethylene, total	--	All monitoring wells analyzed	<0.50
Dichloromethane	--	All monitoring wells analyzed	<1.0
Dichloropropane, 1,2-	--	All monitoring wells analyzed	<0.50
Dichloropropene, 1,3-	--	All monitoring wells analyzed	<0.50
Dichloropropene, cis-1,3-	--	All monitoring wells analyzed	<0.30
Dichloropropene, trans-1,3-	--	All monitoring wells analyzed	<0.30
Ethylbenzene	MW2	Northwestern corner of property	8.96
Hexane	MW2	Northwestern corner of property	0.81
Methyl Ethyl Ketone (MEK)	--	All monitoring wells analyzed	<20
Methyl Isobutyl Ketone (MIBK)	--	All monitoring wells analyzed	<20
Methyl Tert Butyl Ether (MTBE)	--	All monitoring wells analyzed	<0.50
Styrene	--	All monitoring wells analyzed	<0.50
Tetrachloroethane, 1,1,1,2-	--	All monitoring wells analyzed	<0.50
Tetrachloroethane, 1,1,2,2-	--	All monitoring wells analyzed	<0.50
Tetrachloroethylene (PCE)	--	All monitoring wells analyzed	<0.50
Toluene	--	All monitoring wells analyzed	<0.50
Trichloroethane, 1,1,1- (1,1,1-TCA)	--	All monitoring wells analyzed	<0.50
Trichloroethane, 1,1,2- (1,1,2-TCA)	--	All monitoring wells analyzed	<0.50
Trichloroethylene (TCE)	--	All monitoring wells analyzed	<0.50
Trichlorofluoromethane	--	All monitoring wells analyzed	<0.50
Vinyl Chloride	--	All monitoring wells analyzed	<0.20
Xylenes, m,p-	MW2	Northwestern corner of property	0.41
Xylene, o-	--	All monitoring wells analyzed	<0.30
Xylenes (total)	--	All monitoring wells analyzed	<0.50
PHCs			
F1 PHCs (C6-C10)	MW2	Northwestern corner of property	84
F2 PHCs (C10-C16)	--	All monitoring wells analyzed	<100
F3 PHCs (C16-C34)	--	All monitoring wells analyzed	<250
F4 PHCs (C34-C50)	--	All monitoring wells analyzed	<250

Note:
(1) Units for concentrations are µg/g, unless otherwise noted.

Figures



LEGEND

- RSC PROPERTY BOUNDARY
- RSC STUDY AREA

0 500 1,000

1:25,000 METRES

NOTE(S)

1. RSC PROPERTY CENTROID COORDINATES = 337692.00 E, 4680830.47 N.
2. PHASE TWO PROPERTY AREA = 1.53 HECTARES.

REFERENCE(S)

1. BASE MAP: ESRI, NASA, NGA, USGS, FEMA, SOURCES: ESRI, TOMTOM, GARMIN, FAO, NOAA, USGS, © OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
2. COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N

CLIENT
391568 ONTARIO INC.

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

TITLE
KEY PLAN

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	AR
REVIEWED	DS
APPROVED	CM

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

25mm

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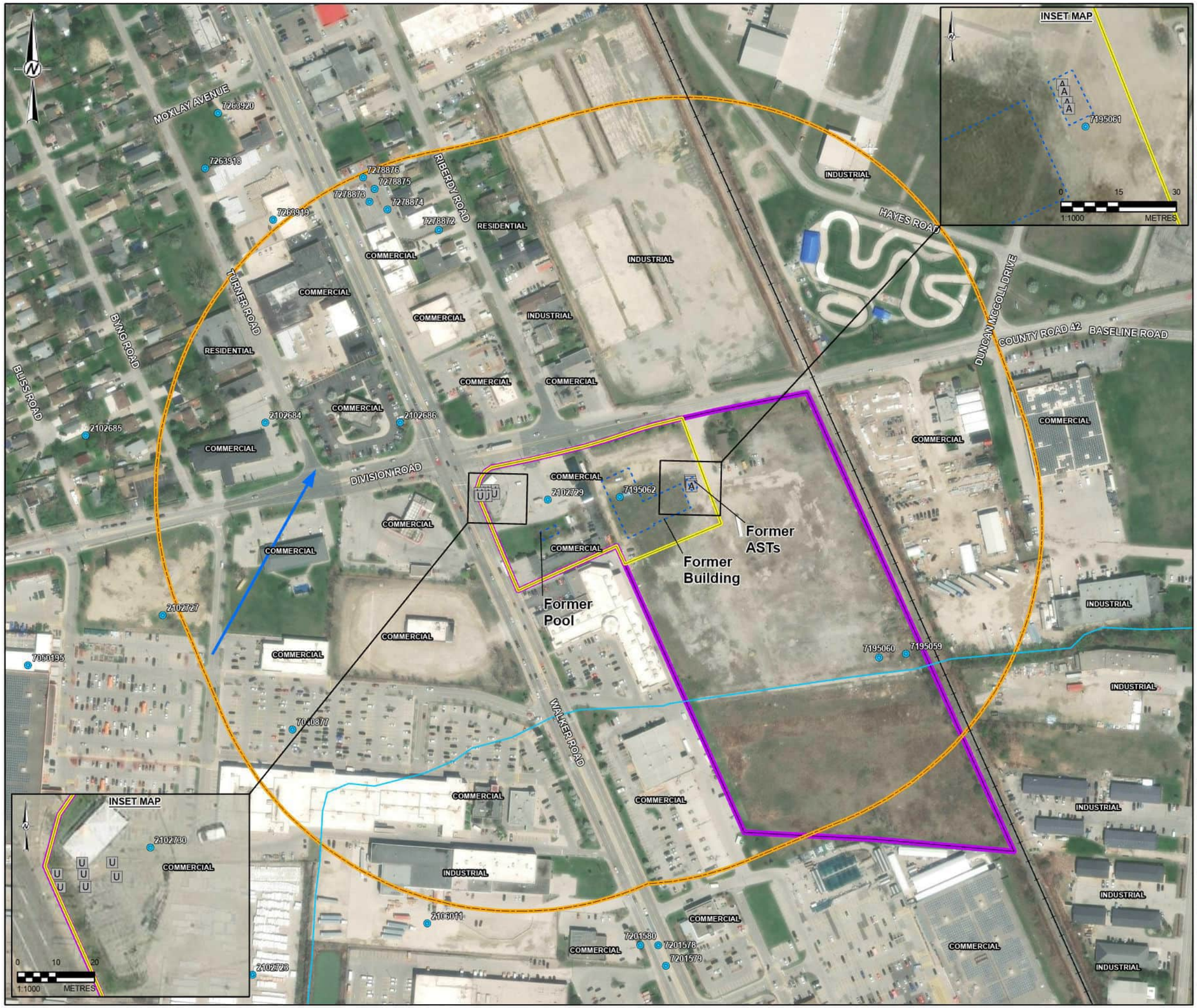

LEGEND

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

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

TITLE
GENERALIZED SITE PLAN

CONSULTANT

wsp

YYYY-MM-DD	2025-09-02
DESIGNED	DS
PREPARED	AR
REVIEWED	DS
APPROVED	CM

PROJECT NO	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	2

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0 25mm



LEGEND

- PCA LOCATION
- WATERCOURSE
- RAILWAY
- INFERRED GROUNDWATER FLOW DIRECTION
- RSC PROPERTY BOUNDARY
- RSC 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

0 100 200

1:3,000 METRES

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

TITLE
POTENTIALLY CONTAMINATING ACTIVITIES

CONSULTANT

wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	AR
REVIEWED	DS
APPROVED	CM

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	0	3

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25mm

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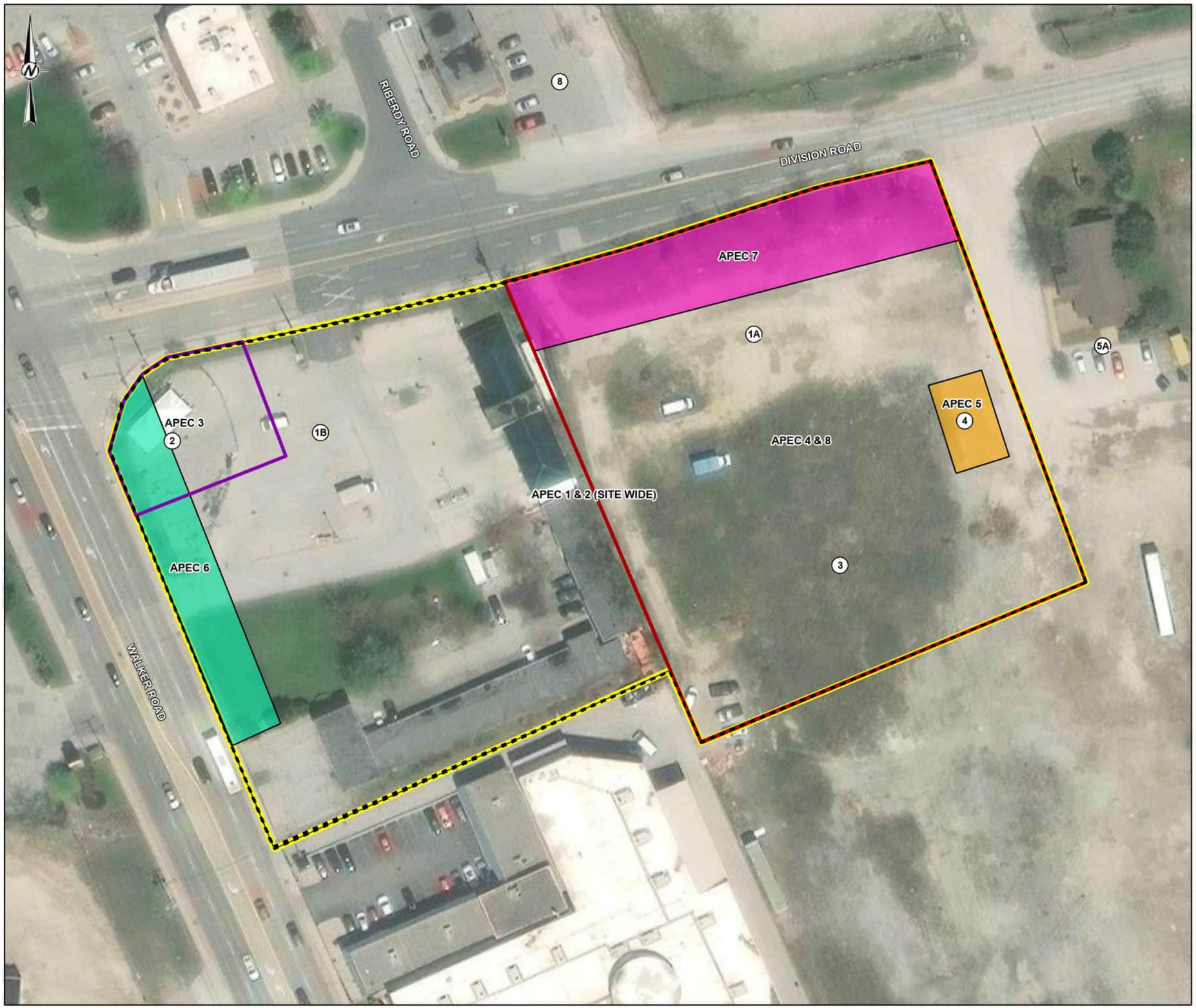

LEGEND

RSC PROPERTY BOUNDARY

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

- APEC 1 & 2 (SITE WIDE)
- APEC 3
- APEC 4 & 8
- APEC 5
- APEC 6
- APEC 7

APEC	DESCRIPTION
1	IMPORTED FILL
2	WINTER SALTING OF PARKING LOT
5	HISTORICAL ASTS (4)
8	FORMER ON-SITE CONCRETE PIPE MANUFACTURING AND CURRENT TRUCKING YARD
3	HISTORICAL USTS (7)
4	HISTORICAL CONCRETE PIPE MANUFACTURER
6	CURRENT RETAIL FUEL OUTLET, HISTORICAL AUTOMOTIVE SERVICE, AND FORMER TRUCKING & CONTAINER TERMINAL ALONG WALKER ROAD
7	HISTORICAL RETAIL FUEL OUTLET, FUEL TANKS, AND INDUSTRIAL OPERATIONS ALONG THE NORTH SIDE OF CABANA ROAD EAST

0 30 60

1:750 METRES

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
RSC 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

wsp

YYYY-MM-DD	2025-10-09
DESIGNED	CM
PREPARED	AR
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	4

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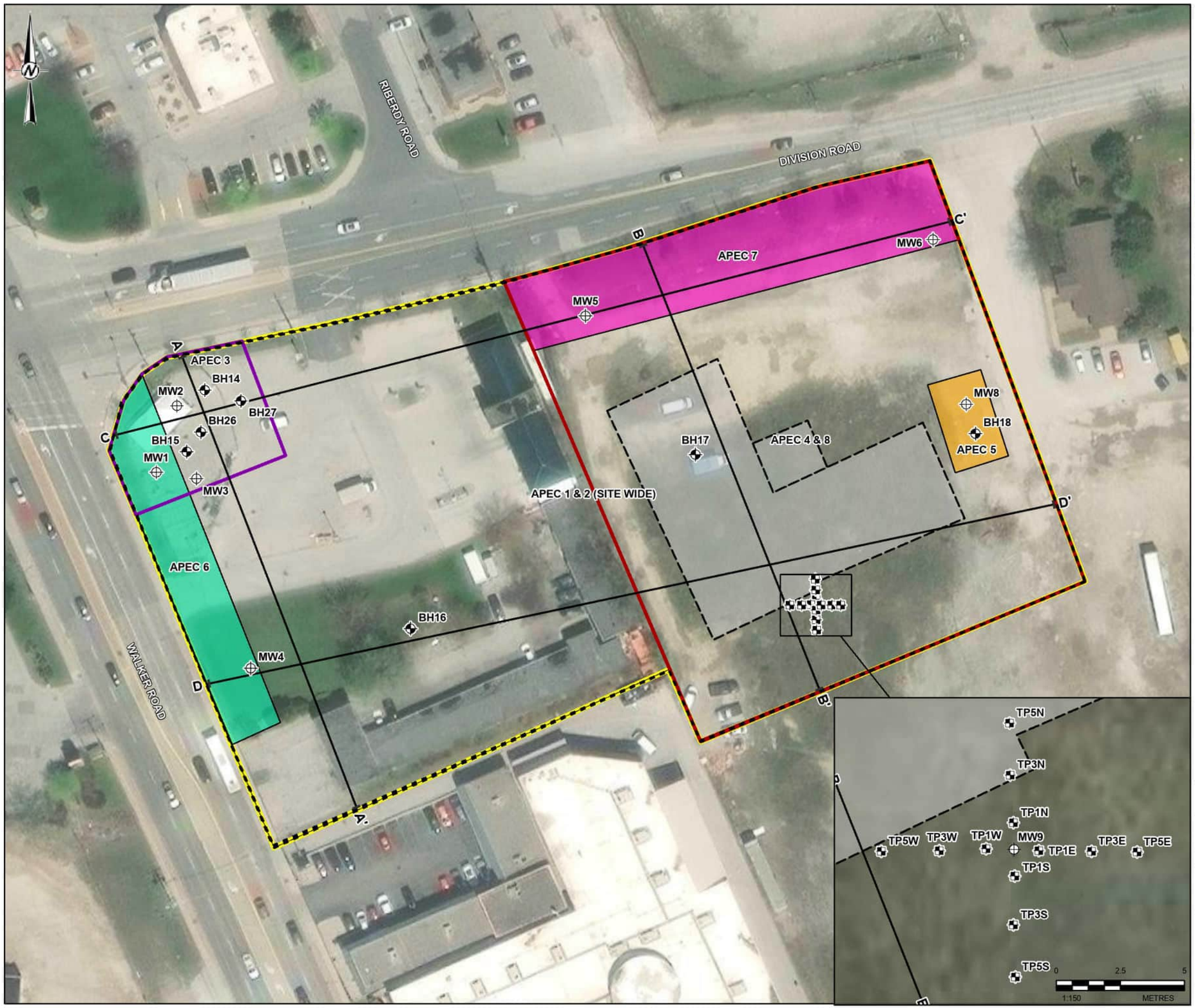

LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- TEST PIT
- CROSS SECTION LINE
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

- APEC 1 & 2 (SITE WIDE)
- APEC 3
- APEC 4 & 8
- APEC 5
- APEC 6
- APEC 7

0 30 60
1:750 METRES

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

TITLE
INVESTIGATION LOCATIONS

CONSULTANT
wsp

YYYY-MM-DD	2025-10-09
DESIGNED	CM
PREPARED	AR/JT
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	5

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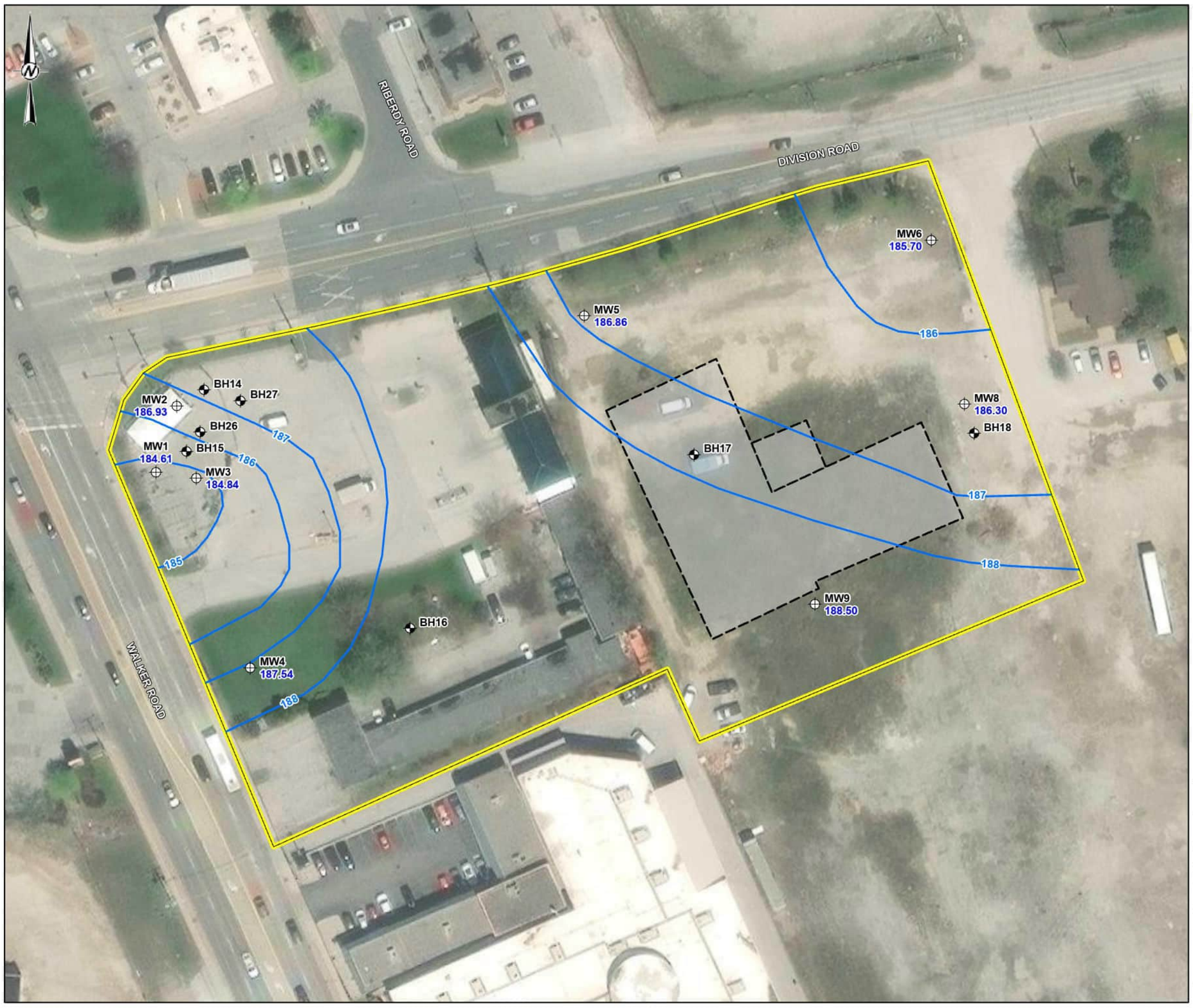
25mm
0



LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (m)
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY
- 188.27 GROUNDWATER ELEVATION (mASL),(MARCH 19, 2025)

0 30 60

1:750 METRES

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
RSC 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	2025-08-26
DESIGNED	CM
PREPARED	AR
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	6A

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

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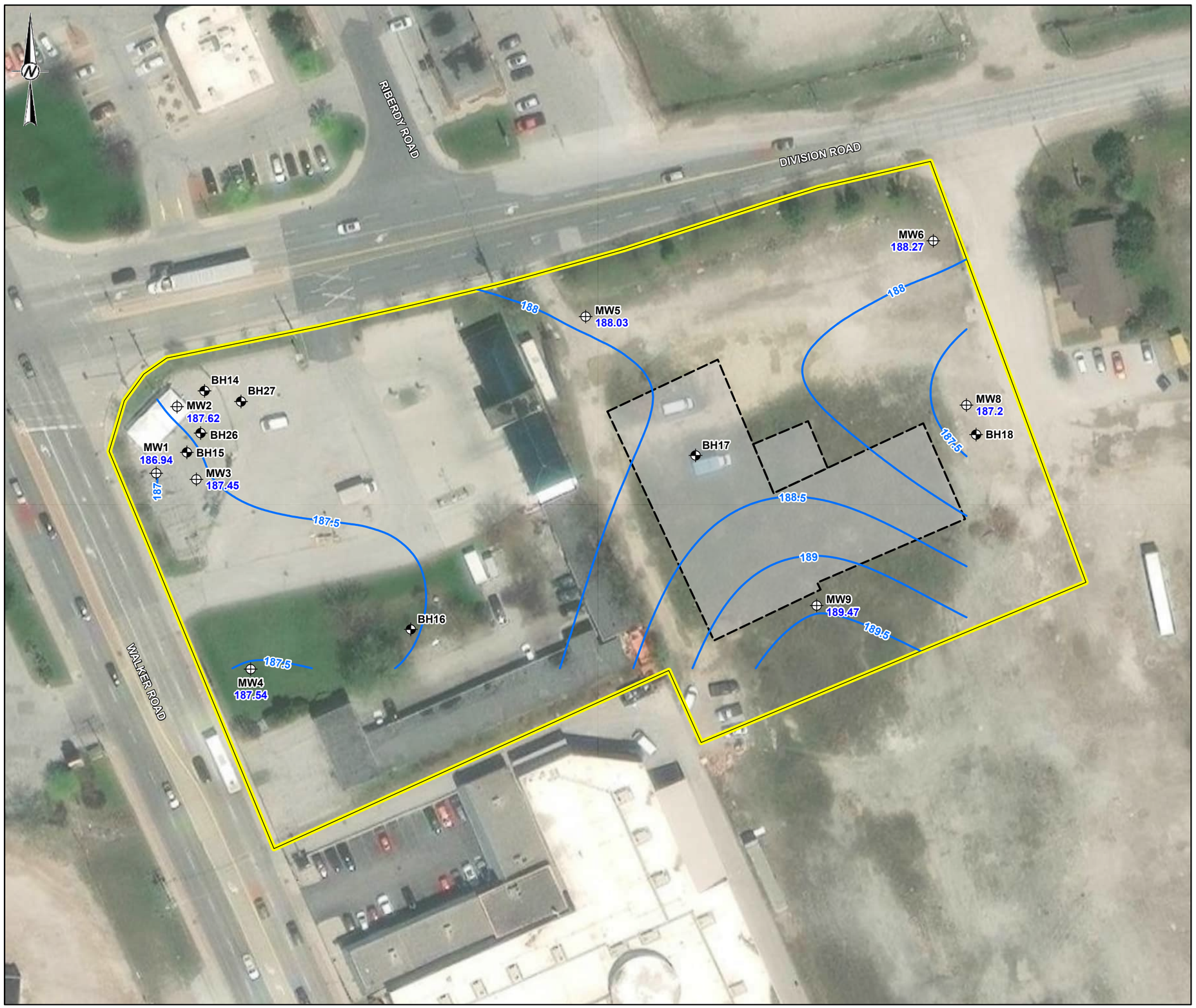

LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR (m)
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY
- 188.27 GROUNDWATER ELEVATION (mASL),(MAY 15, 2025)

0 30 60

1:750 METRES

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

TITLE
GROUNDWATER CONTOUR PLAN - MAY 15, 2025

CONSULTANT

YYYY-MM-DD	2025-08-20
DESIGNED	CM
PREPARED	AR
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	6B

PATH: S:\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROJ\0003_RSC\CA0046126_8978-0003-H9-0000.aprx, PRINTED ON: AT 10:00:07 AM

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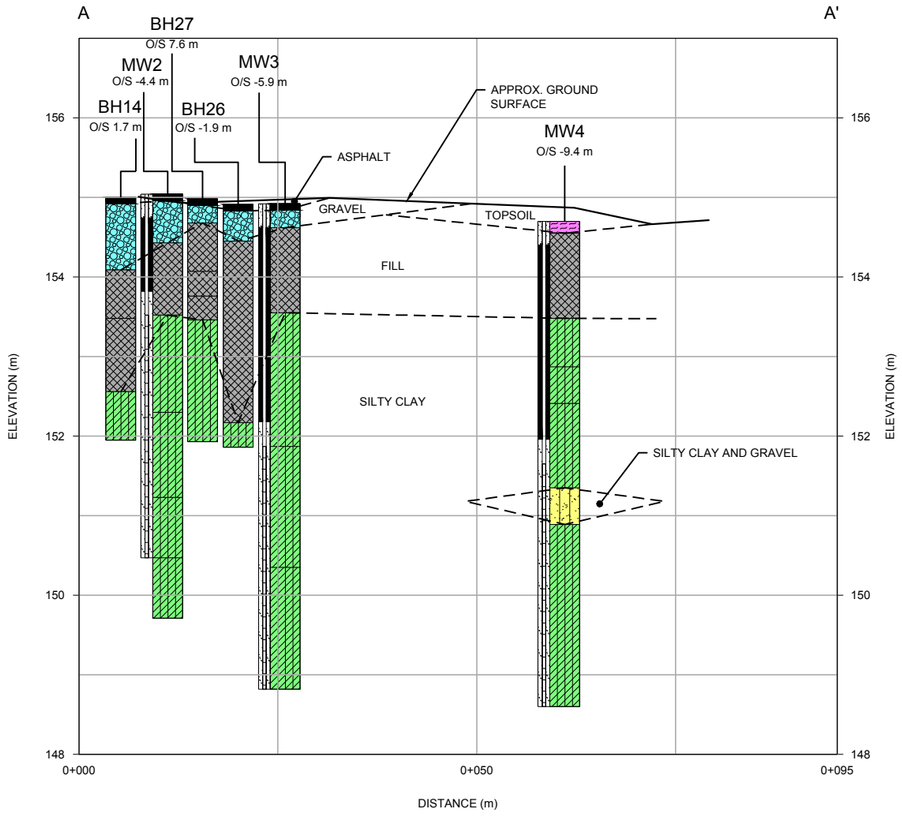

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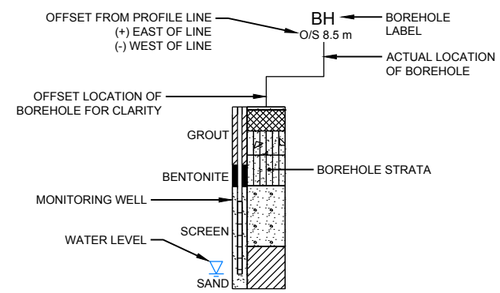


SOIL STRATIGRAPHY

- ASPHALT
- GRAVEL
- FILL
- SILTY CLAY
- TOPSOIL
- SILTY SAND AND GRAVEL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.

0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

CLIENT
391568 ONTARIO INC.

CONSULTANT

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

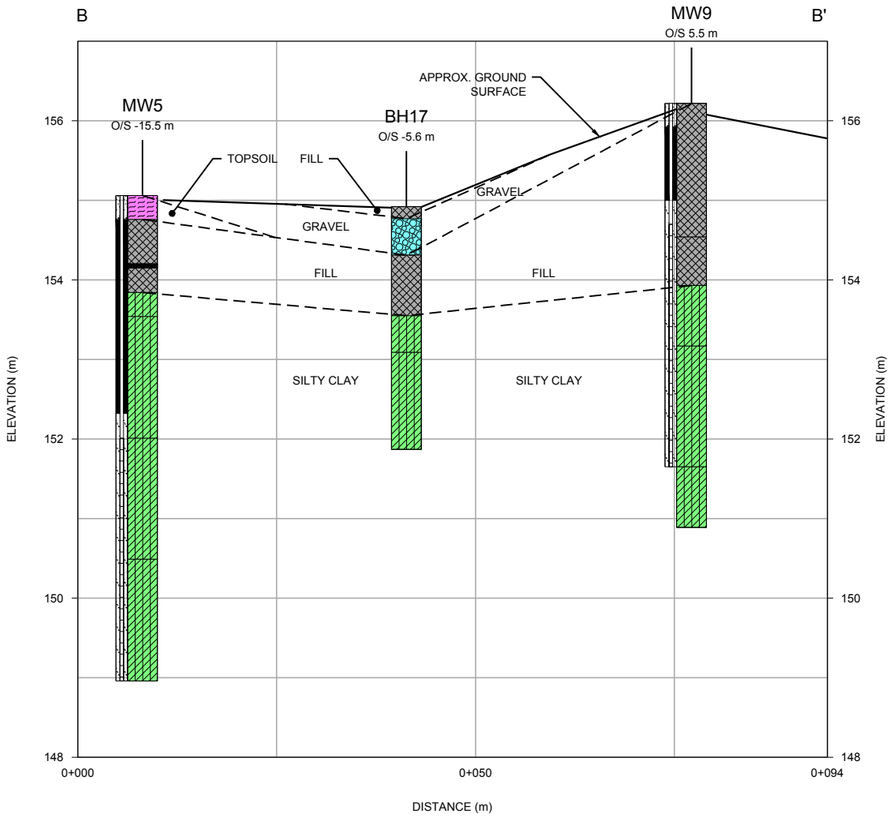
TITLE
GEOLOGICAL CROSS-SECTION A-A'

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	7

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HS-0007.dwg | Last Edited By: wds_stephen.labute Date: 2025-08-19 Time:4:34:38 PM | Printed By: wds_stephen.labute Date: 2025-08-19 Time:4:35:26 PM



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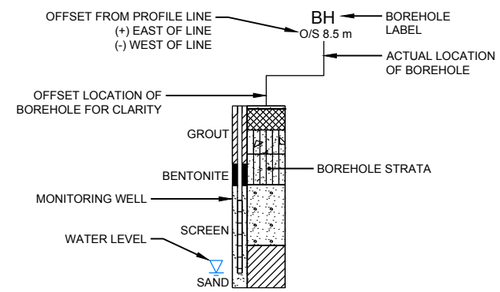


SOIL STRATIGRAPHY

- ASPHALT
- GRAVEL
- FILL
- SILTY CLAY
- TOPSOIL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.

0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

CLIENT
391568 ONTARIO INC.

CONSULTANT

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

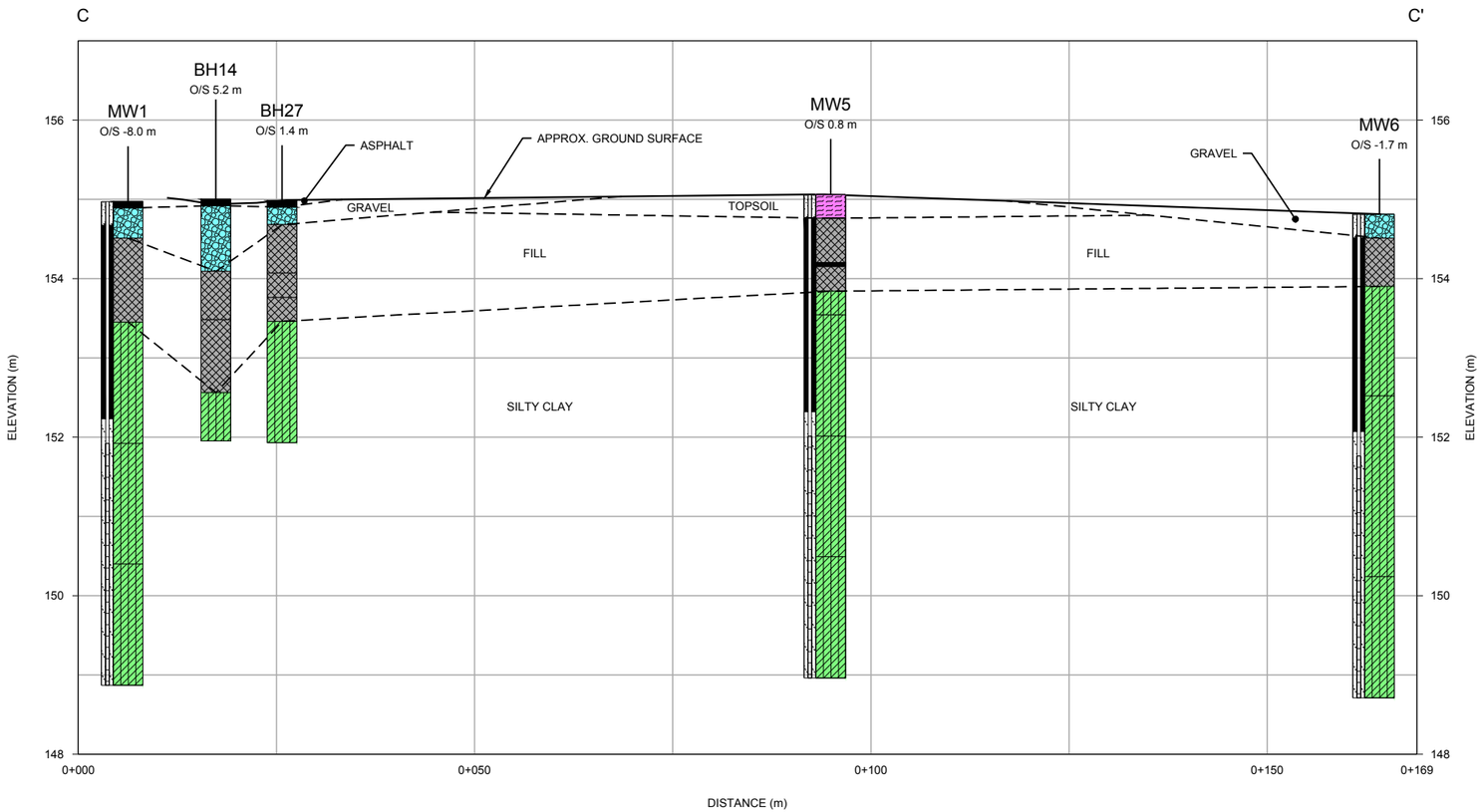
TITLE
GEOLOGICAL CROSS-SECTION B-B'

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	8

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HS-0008.dwg | Last Edited By: wds_stephen.labute Date: 2025-06-04 Time:2:50:17 PM | Printed By: wds_stephen.labute Date: 2025-06-04 Time:2:50:44 PM



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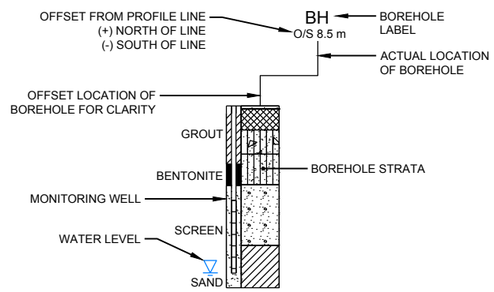


SOIL STRATIGRAPHY

- ASPHALT
- GRAVEL
- FILL
- SILTY CLAY
- TOPSOIL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.

0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

CLIENT
BIRD CONSTRUCTION INDUSTRIAL SERVICES

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

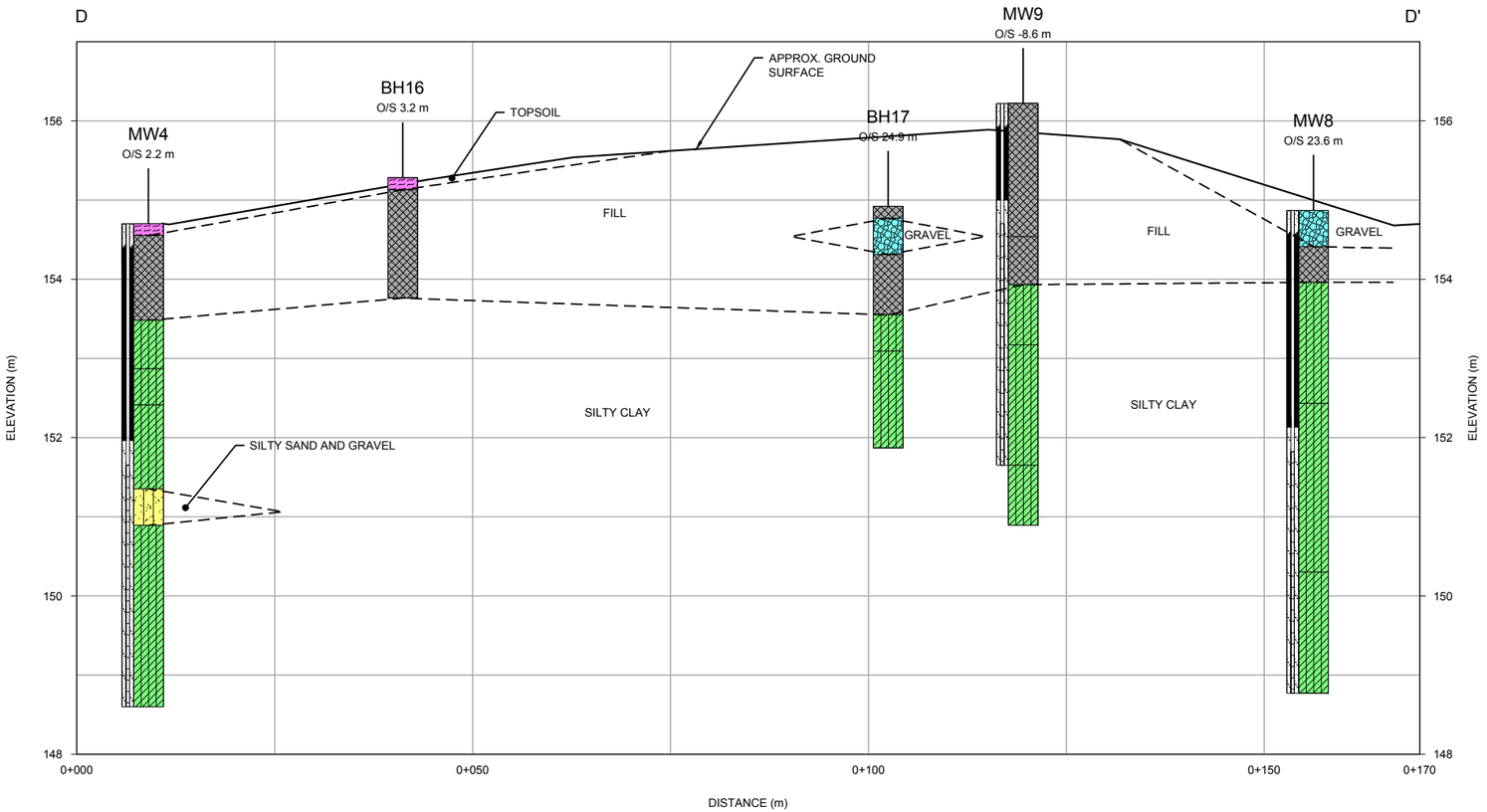
TITLE
GEOLOGICAL CROSS-SECTION C-C'

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	9

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\ICTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HS-0009.dwg | Last Edited By: wds_stephen.labute Date: 2025-06-04 Time:2:51:16 PM | Printed By: wds_stephen.labute Date: 2025-06-04 Time:2:51:43 PM



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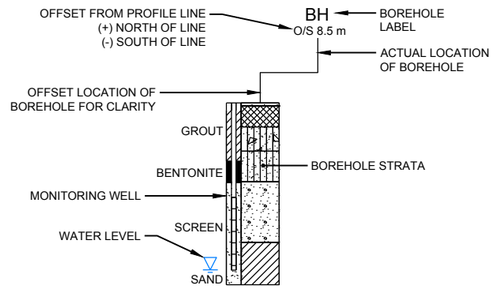

SOIL STRATIGRAPHY

- GRAVEL
- FILL
- SILTY CLAY
- TOPSOIL
- SILTY SAND AND GRAVEL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.

0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

TITLE
GEOLOOGICAL CROSS-SECTION D-D'

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	10

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HS-00010.dwg | Last Edited By: wds_stephen.labute Date: 2025-06-04 Time:2:52:17 PM | Printed By: wds_stephen.labute Date: 2025-06-04 Time:2:52:44 PM
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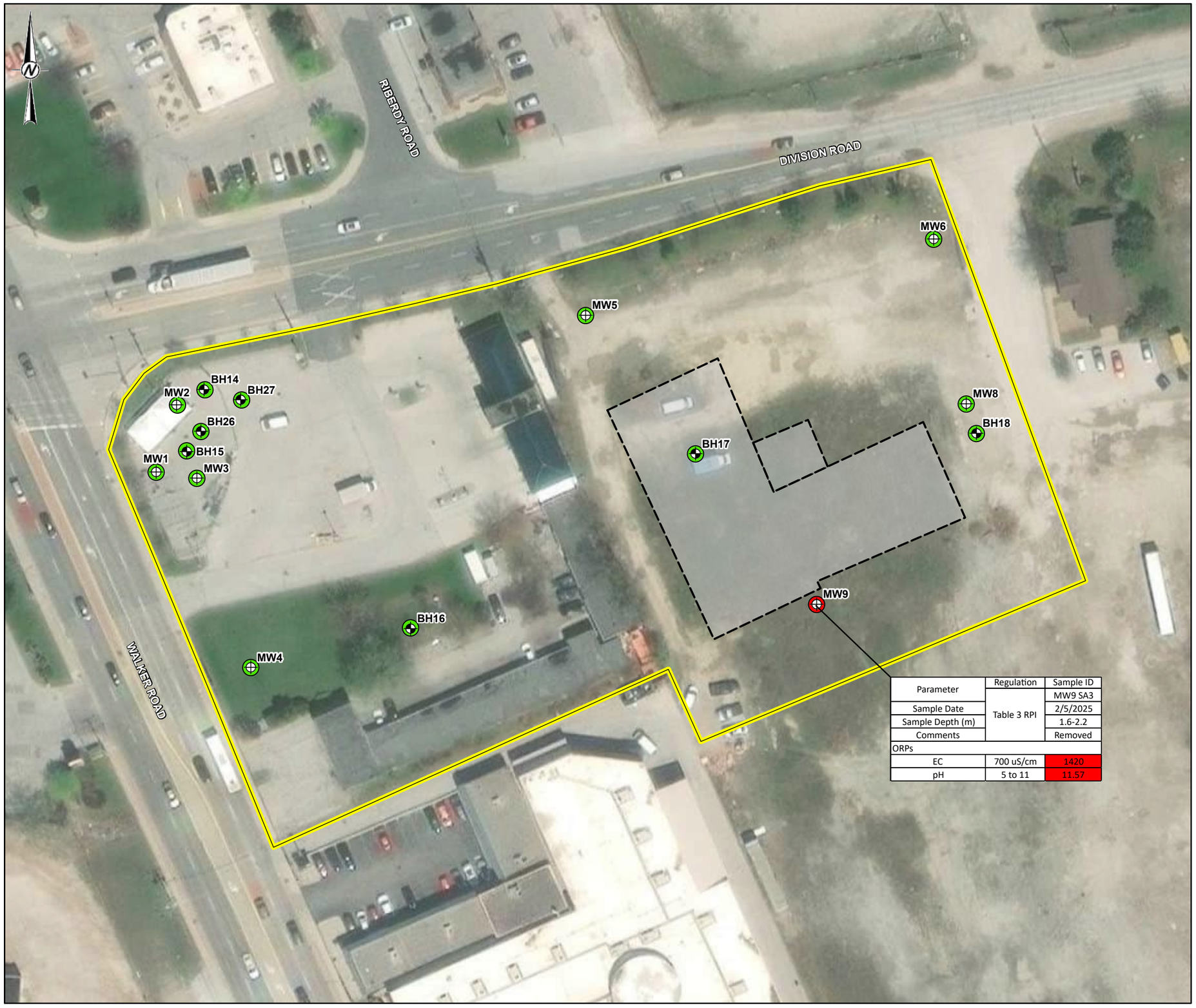
0 25 mm



Parameter	Regulation	Sample ID
	Table 3 RPI	MW9 SA3
Sample Date		2/5/2025
Sample Depth (m)		1.6-2.2
Comments		Removed
ORPs		
EC	700 uS/cm	1420
pH	5 to 11	11.57

LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI
- CONCENTRATIONS EXCEED TABLE 3 RPI
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY

NOTE(S)

1. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
2. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
3. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples					
Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	ORPs (EC, SAR, pH, CN, Cr(VI), HWS-B and Hg)
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	MW3 SA3	1.5-2.3	No	native silty clay	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	Yes	fill	
	MW9 SA4	2.3-3.0	No	native silty clay	
BH14	BH14 SA2	0.9-1.5	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

0 30 60

1:750 METRES

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

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

TITLE

SAMPLING LOCATIONS OF ORPs (EC, SAR, pH CN, Cr(VI), HWS-B and Hg) IN SOIL

CONSULTANT

wsp

YYYY-MM-DD	2025-05-21
DESIGNED	CM
PREPARED	AR
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	11

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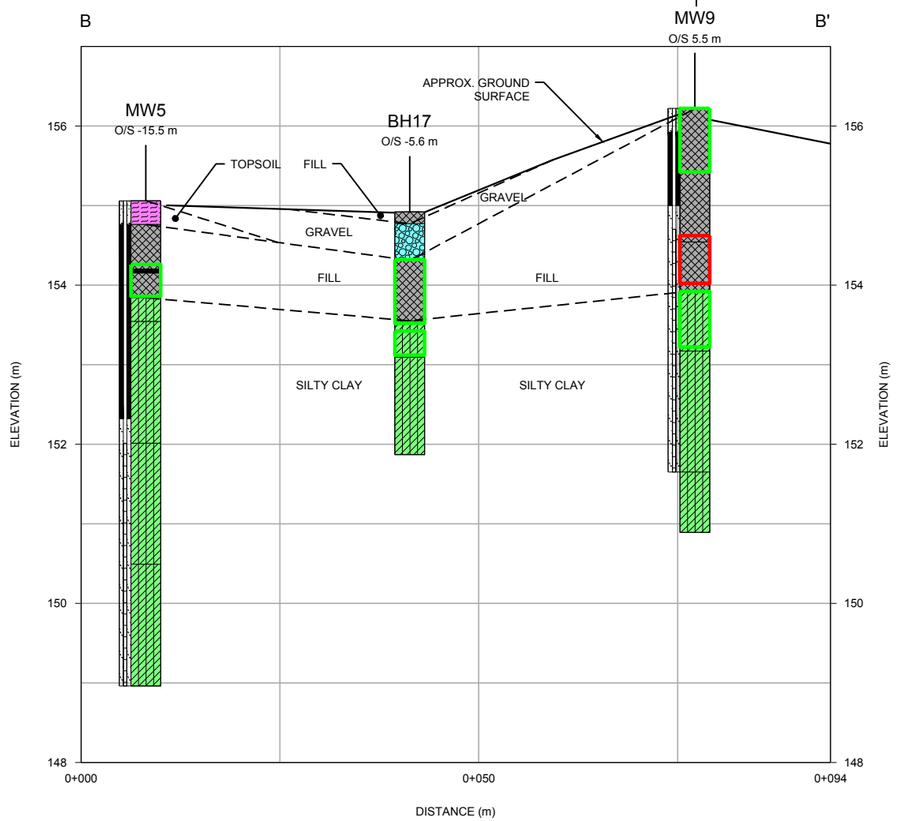
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

Parameter	Regulation	Sample ID
Sample Date	Table 3 RPI	MW9 SA3
Sample Depth (m)		2/5/2025
Comments		1.6-2.2
ORPs		Removed
EC	700 uS/cm	1420
pH	5 to 11	11.57



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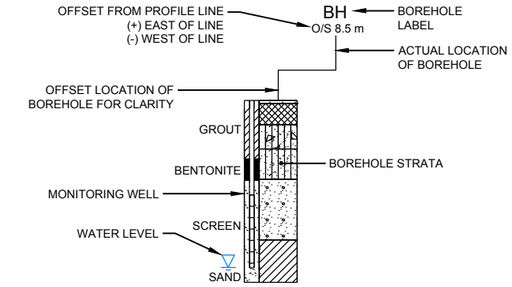

CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI

CONCENTRATIONS EXCEED TABLE 3 RPI

SOIL STRATIGRAPHY

ASPHALT
GRAVEL
FILL
SILTY CLAY
TOPSOIL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.
4. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
5. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
6. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	ORPs (EC, SAR, pH, CN, Cr(VI), HWS-B and Hg)
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	MW3 SA3	1.5-2.3	No	native silty clay	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	Yes	fill	
	MW9 SA4	2.3-3.0	No	native silty clay	
BH14	BH14 SA2	0.9-1.5	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

TITLE
INTERPRETED CROSS-SECTION B-B' - ORPs (EC, SAR, pH,CN, CR(VI), HWS-B AND Hg) IN SOIL

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	12

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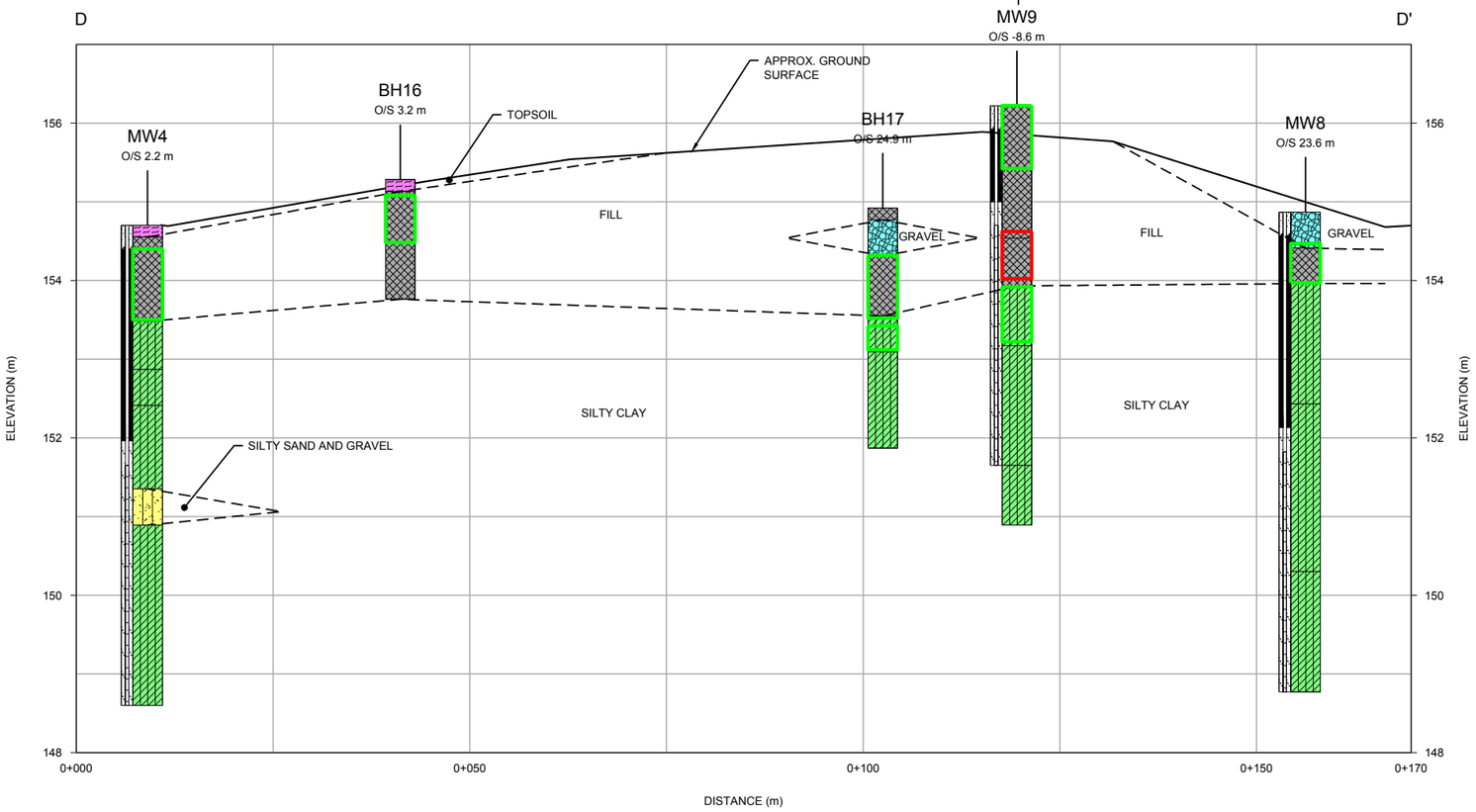
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25 mm

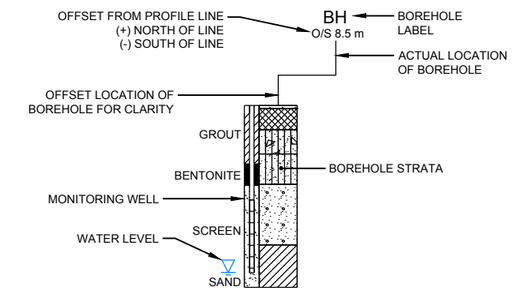
Parameter	Regulation	Sample ID
Sample Date	Table 3 RPI	MW9 SA3
Sample Depth (m)		2/5/2025
Comments		1.6-2.2
ORPs		Removed
EC	700 uS/cm	1420
pH	5 to 11	11.57



0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

LEGEND



CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI

CONCENTRATIONS EXCEED TABLE 3 RPI

SOIL STRATIGRAPHY

SILTY SAND AND GRAVEL
SILTY CLAY
GRAVEL
TOPSOIL
FILL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.
4. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
5. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
6. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	ORPs (EC, SAR, pH, CN, Cr(VI), HWS-B and Hg)
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	MW3 SA3	1.5-2.3	No	native silty clay	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	Yes	fill	
	MW9 SA4	2.3-3.0	No	native silty clay	
BH14	BH14 SA2	0.9-1.5	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

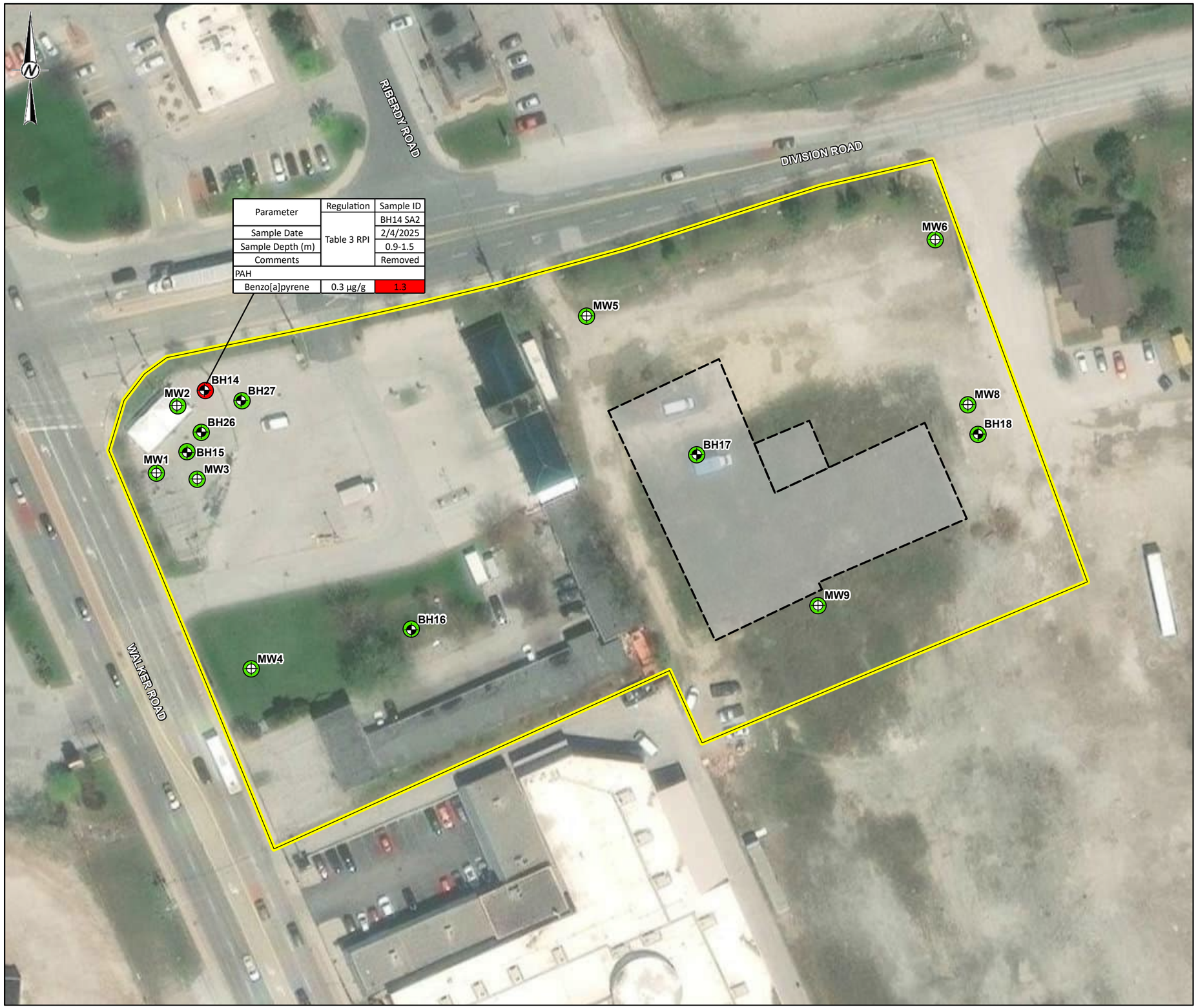
TITLE
INTERPRETED CROSS-SECTION D-D' - ORPs (EC, SAR, pH, CN,CR(VI), HWS-B AND Hg) IN SOIL

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	13

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAM\S300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HS-0013.dwg | Last Edited By: wds_stephen.labute Date: 2025-06-04 Time:2:13:16 PM | Printed By: wds_stephen.labute Date: 2025-06-04 Time:2:13:39 PM



LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI
- CONCENTRATIONS EXCEED TABLE 3 RPI
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY

NOTE(S)

1. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
2. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
3. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	PAH
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
BH14	BH14 SA2	0.9-1.5	Yes	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

0 30 60

1:750 METRES

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

TITLE
SAMPLING LOCATIONS OF PAH IN SOIL

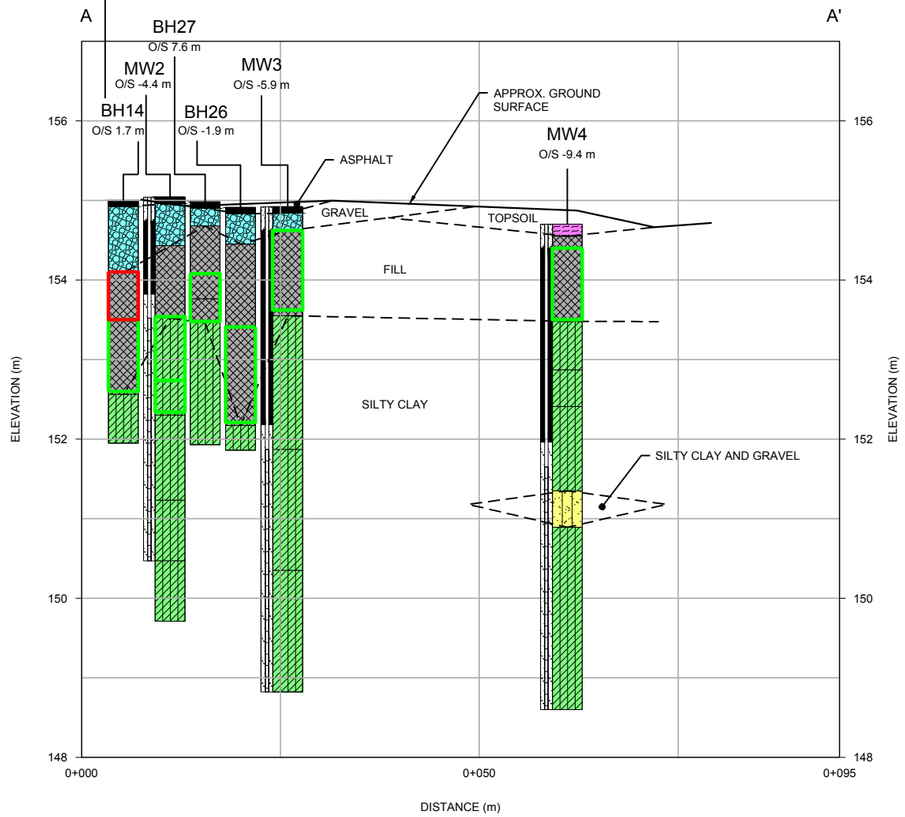
CONSULTANT

YYYY-MM-DD	2025-05-21
DESIGNED	CM
PREPARED	AR
REVIEWED	DS
APPROVED	---

PROJECT NUMBER CA0046126.8978 | CONTROL 0003 | REV. A | FIGURE 14

PATH: S:\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\CA0046126_8978-0003HS-0000.aprx, PRINTED ON: AT: 3:31:30 PM
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
25mm
0

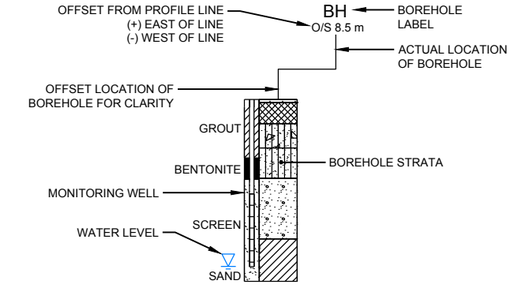
Parameter	Regulation	Sample ID
	Table 3 RPI	BH14 SA2
Sample Date		2/4/2025
Sample Depth (m)		0.9-1.5
Comments		Removed
PAH		
Benzo[a]pyrene	0.3 ug/g	1.3



0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

LEGEND



CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI

CONCENTRATIONS EXCEED TABLE 3 RPI

SOIL STRATIGRAPHY

ASPHALT
GRAVEL
FILL
SILTY CLAY
TOPSOIL
SILTY SAND AND GRAVEL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.
4. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
5. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
6. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	PAH
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
BH14	BH14 SA2	0.9-1.5	Yes	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

TITLE
INTERPRETED CROSS-SECTION A - A' - PAH IN SOIL

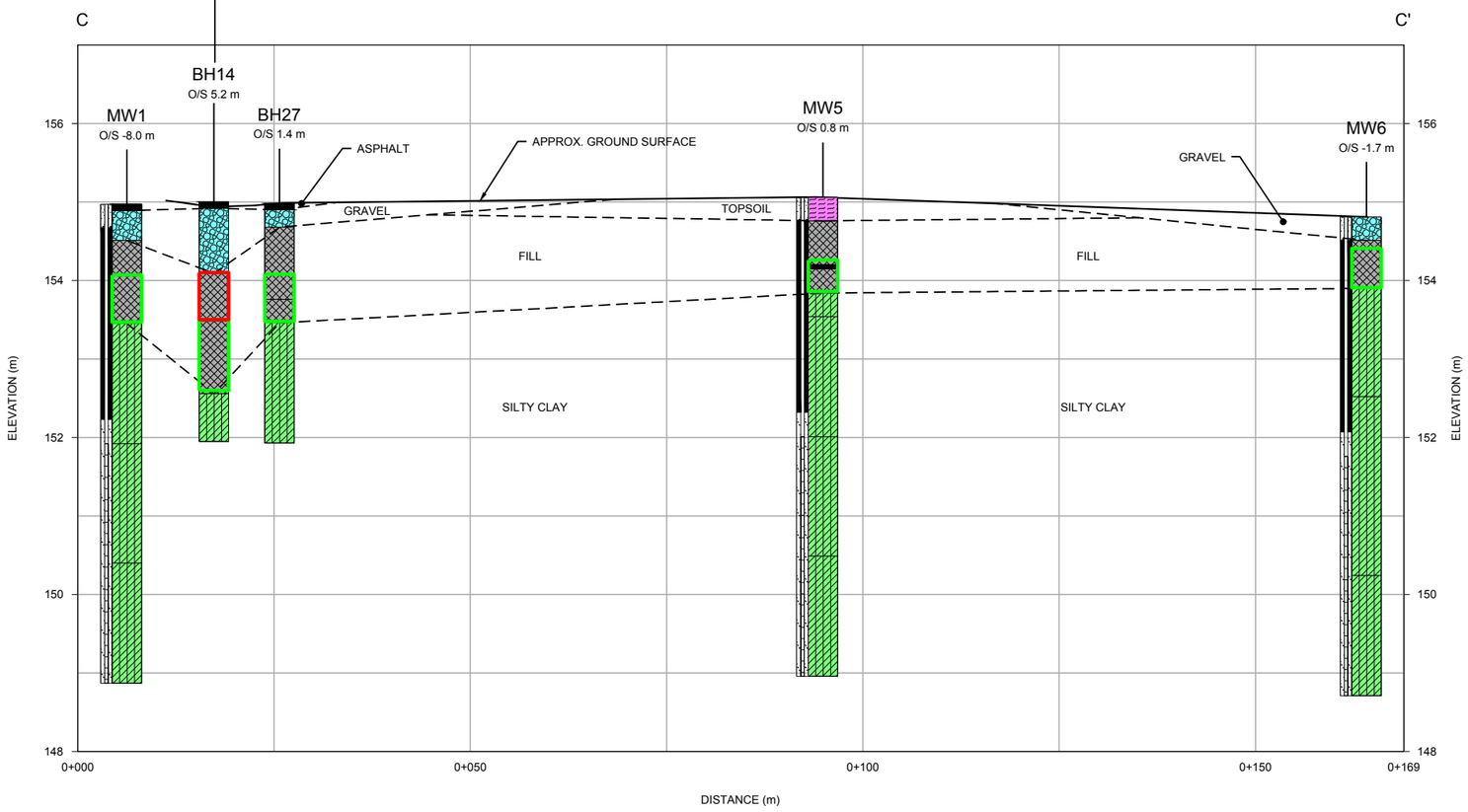
PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	15

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

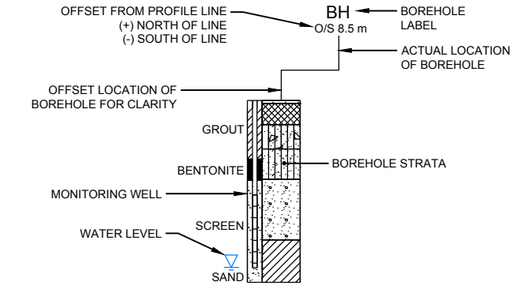
25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HIS-0015.dwg | Last Edited By: wds_stephen.labute Date: 2025-08-19 Time:4:45:38 PM | Printed By: wds_stephen.labute Date: 2025-08-19 Time:4:46:21 PM

Parameter	Regulation	Sample ID
	Table 3 RPI	BH14 SA2
Sample Date		2/4/2025
Sample Depth (m)		0.9-1.5
Comments		Removed
PAH		
Benzo[a]pyrene	0.3 ug/g	1.3



LEGEND



CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI

CONCENTRATIONS EXCEED TABLE 3 RPI

SOIL STRATIGRAPHY

ASPHALT
GRAVEL
FILL
SILTY CLAY
TOPSOIL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.
4. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
5. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
6. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	PAH
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
BH14	BH14 SA2	0.9-1.5	Yes	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	CKC
REVIEWED	SJL
APPROVED	CM

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

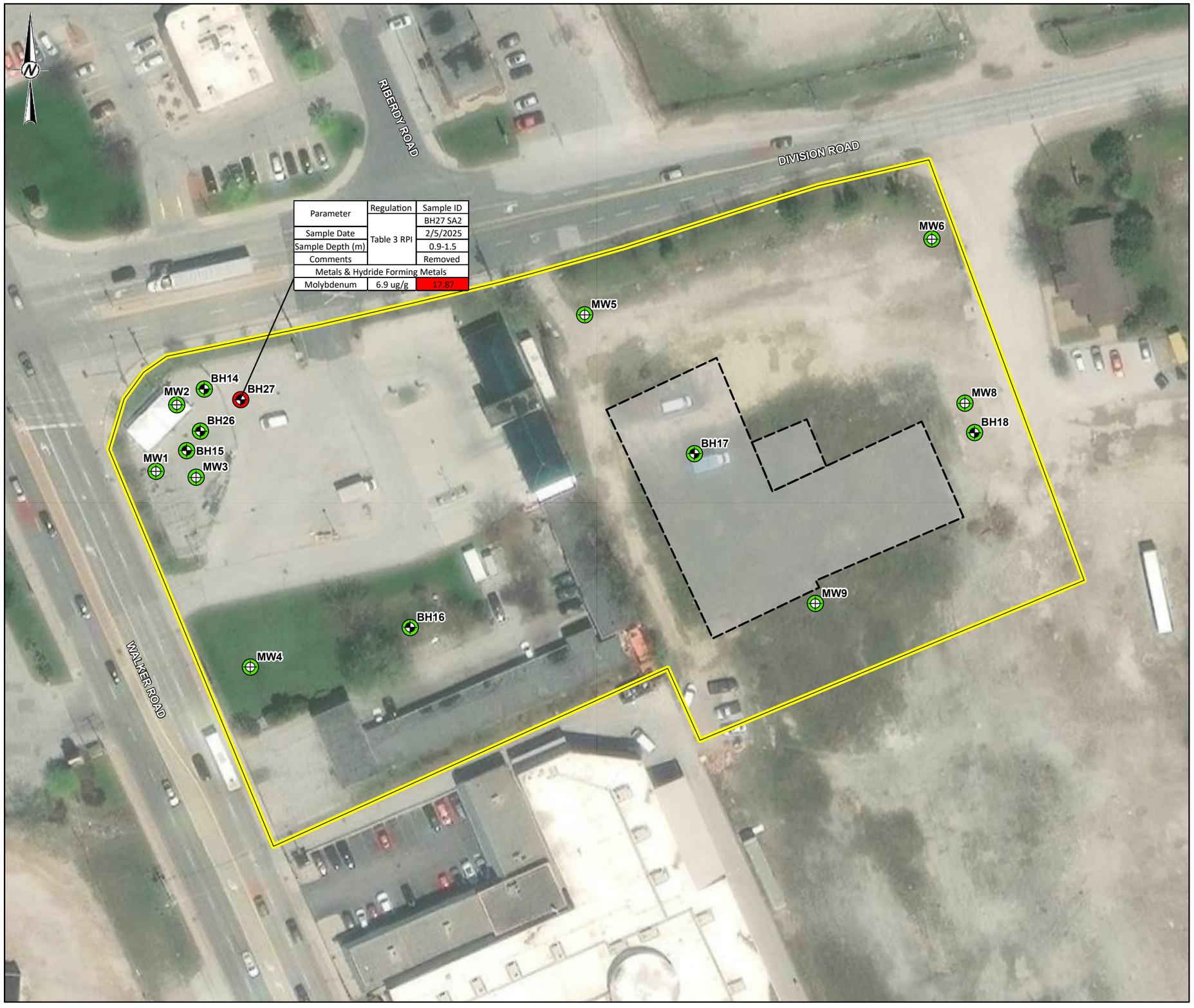
TITLE
INTERPRETED CROSS-SECTION C - C' - PAH IN SOIL

PROJECT NO.	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	16

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HIS-0016.dwg | Last Edited By: wds_stephen.labute Date: 2025-06-04 Time:2:38:12 PM | Printed By: wds_stephen.labute Date: 2025-06-04 Time:2:38:46 PM



LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI
- CONCENTRATIONS EXCEED TABLE 3 RPI
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY

NOTE(S)

1. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
2. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
3. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	Metals & Hydride Forming Metals
	MW1 SA3	1.5-2.3	No	native silty clay	
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
	MW9 SA4	2.2-3.0	No	native silty sand	
BH14	BH14 SA2	0.9-1.5	No	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	Yes	fill	

0 30 60

1:750 METRES

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

TITLE
SAMPLING LOCATIONS OF METALS AND HYDRIDE FORMING METALS IN SOIL

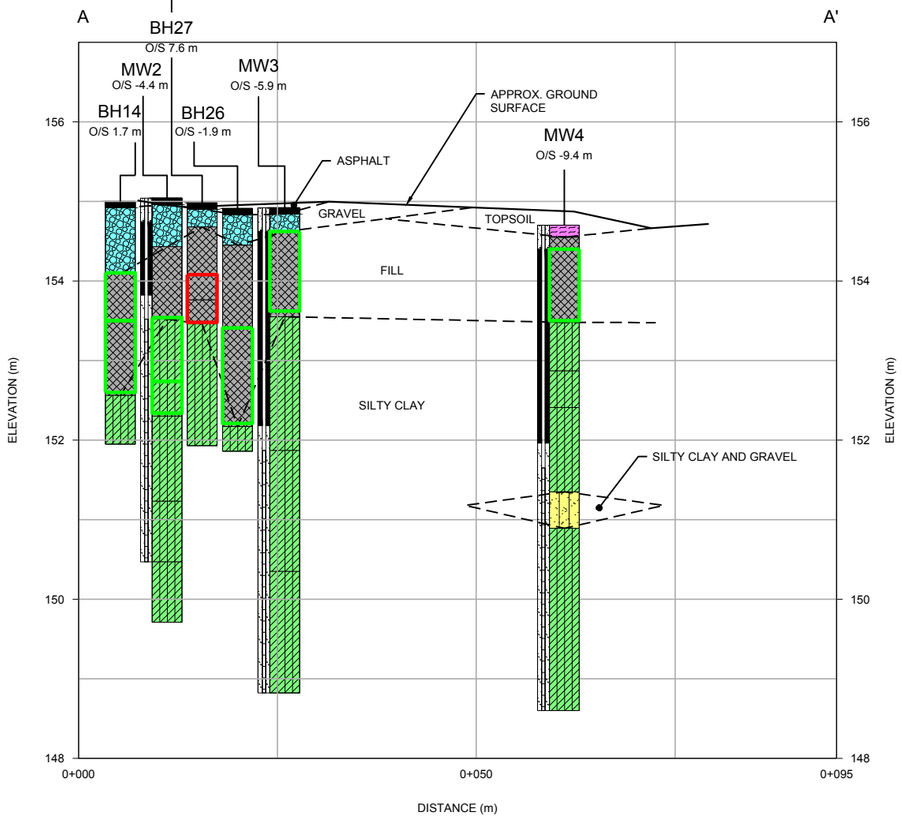
CONSULTANT
wsp

YYYY-MM-DD	2025-08-20
DESIGNED	CM
PREPARED	AR/JT
REVIEWED	DS
APPROVED	---

PROJECT NUMBER CA0046126.8978 | CONTROL 0003 | REV. A | FIGURE 17

PATH: S:\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\CA0046126_8978-0003-H5-0000.aprx PRINTED ON: AT: 10:03:11 AM
IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B
0 25mm

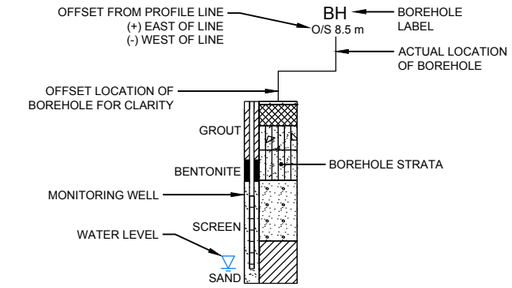
Parameter	Regulation	Sample ID
	Table 3 RPI	BH27 SA2
Sample Date		2/5/2025
Sample Depth (m)		0.9-1.5
Comments		Removed
Metals & Hydride Forming Metals		
Molybdenum	6.9 ug/g	17.87



0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

LEGEND



CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI

CONCENTRATIONS EXCEED TABLE 3 RPI

SOIL STRATIGRAPHY

ASPHALT
GRAVEL
FILL
SILTY CLAY
TOPSOIL
SILTY SAND AND GRAVEL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.
4. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
5. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
6. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	Metals & Hydride Forming Metals
	MW1 SA3	1.5-2.3	No	native silty clay	
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
	MW9 SA4	2.2-3.0	No	native silty sand	
BH14	BH14 SA2	0.9-1.5	No	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	Yes	fill	

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	OC
REVIEWED	SJL
APPROVED	CM

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

TITLE
INTERPRETED CROSS-SECTION A-A' - METALS AND HYDRIDE FORMING METALS IN SOIL

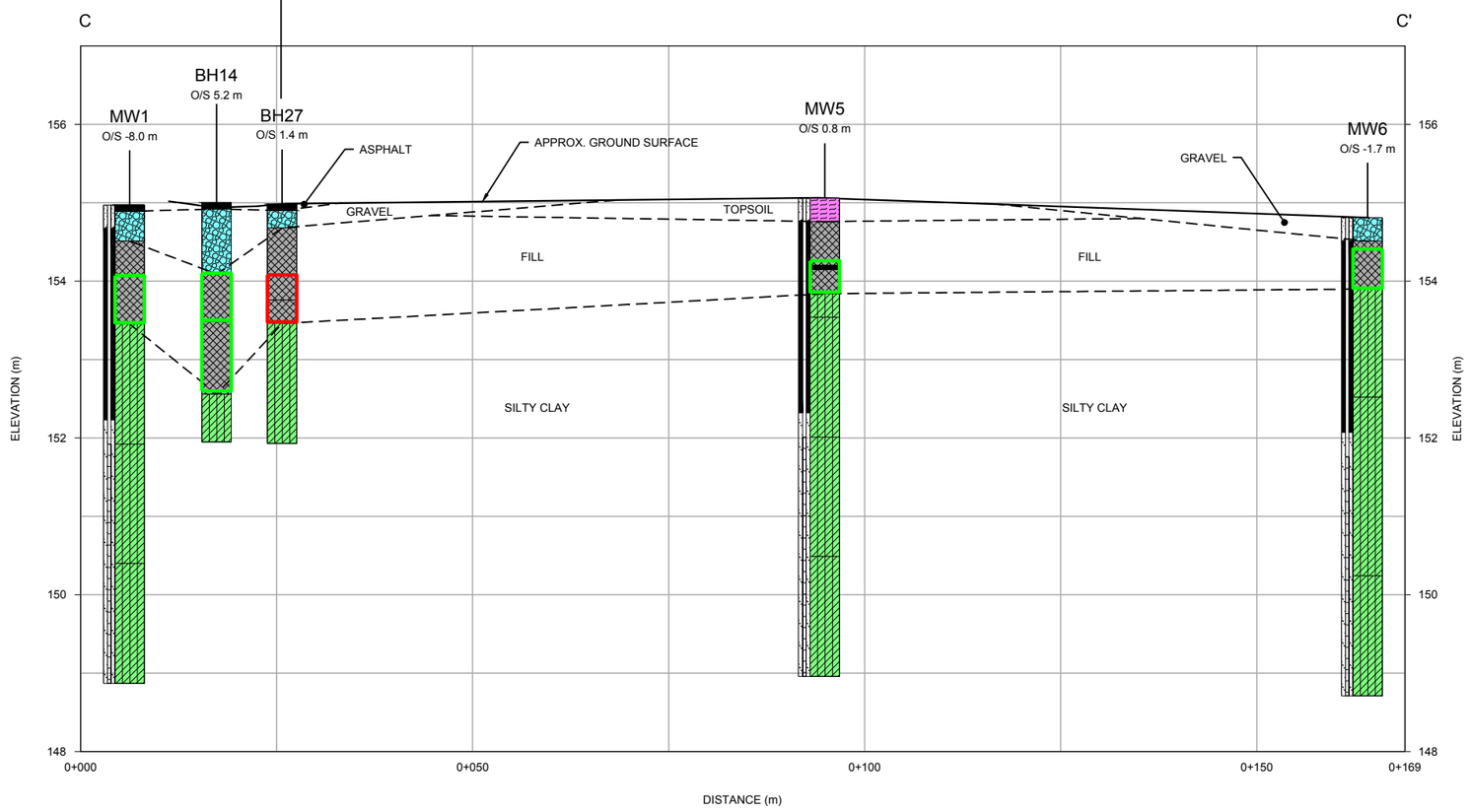
PROJECT NO.	CONTROL	REV.	FIGURE
CA0043072.8175	0003	A	18

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046126-8978-0003-HIS-0018.dwg | Last Edited By: wds_stephen.labute Date: 2025-08-19 Time:4:55:37 PM | Printed By: wds_stephen.labute Date: 2025-08-19 Time:4:56:11 PM

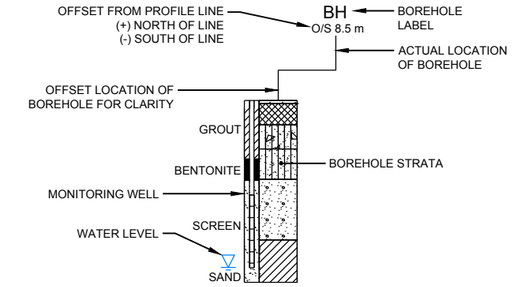
Parameter	Regulation	Sample ID
	Table 3 RPI	BH27 SA2
Sample Date		2/5/2025
Sample Depth (m)		0.9-1.5
Comments		Removed
Metals & Hydride Forming Metals		
Molybdenum	6.9 ug/g	17.87



0 1.25 2.5
1:75 VERTICAL METRES

0 12.5 25
1:750 HORIZONTAL METRES

LEGEND



CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI

CONCENTRATIONS EXCEED TABLE 3 RPI

SOIL STRATIGRAPHY

ASPHALT
GRAVEL
FILL
SILTY CLAY
TOPSOIL

NOTE(S)

1. SEE RECORDS OF BOREHOLE LOGS FOR DETAILED STRATIGRAPHY.
2. SEE FIGURE 5 FOR CROSS-SECTION MARKER LOCATIONS.
3. THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE WSP CANADA INC. REPORT No. CA0046126.8978.
4. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
5. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
6. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	Metals & Hydride Forming Metals
	MW1 SA3	1.5-2.3	No	native silty clay	
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
	MW9 SA4	2.2-3.0	No	native silty sand	
BH14	BH14 SA2	0.9-1.5	No	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	Yes	fill	

CLIENT
391568 ONTARIO INC.

CONSULTANT
wsp

YYYY-MM-DD	2025-05-21
DESIGNED	DS
PREPARED	OC
REVIEWED	SJL
APPROVED	CM

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

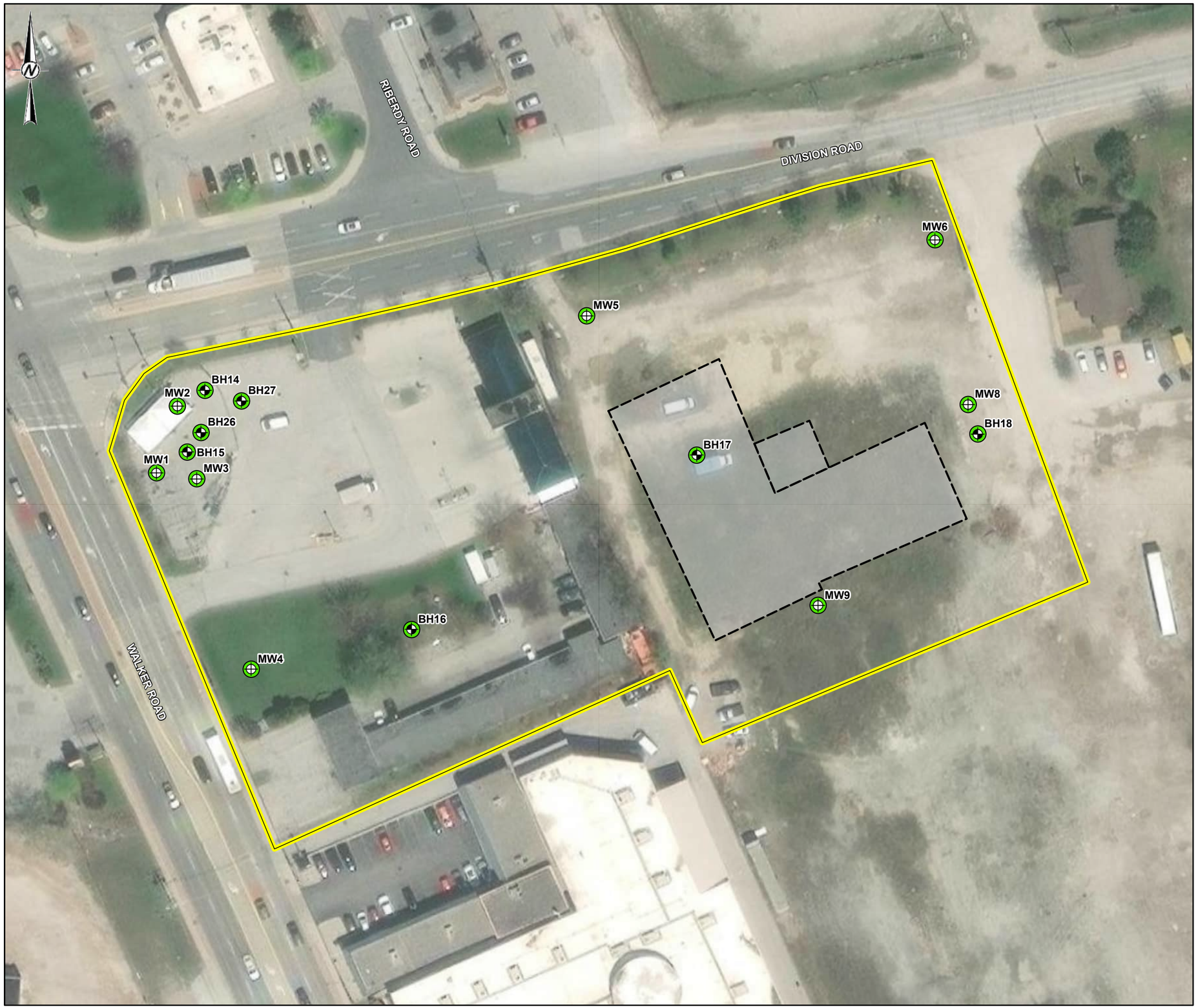
TITLE
INTERPRETED CROSS-SECTION C-C' - METALS AND HYDRIDE FORMING METALS IN SOIL

PROJECT NO.	CONTROL	REV.	FIGURE
CA0043072.8175	0003	A	19

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25 mm

Path: \\corp.pbwan.net\CA\CAMIS300\CTX_Data\SIM\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\ | File Name: CA0046128-8978-0003-HIS-0019.dwg | Last Edited By: wds_stephen.labute Date: 2025-08-19 Time:4:59:30 PM | Printed By: wds_stephen.labute Date: 2025-08-19 Time:4:59:51 PM



LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY

NOTE(S)

1. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
2. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER GRAM (µg/g).
3. THE FOLLOWING TABLE INCLUDES THE TABLE 3 STANDARDS FOR THE EXCEEDING PARAMETERS:

Summary of Analyzed Samples

Borehole	Sample ID	Sample Depth (m)	O.Reg. 153/04 Table 3 RPI Exceedances	Material Sampled	COPCs Analyzed
MW1	MW1 SA2	0.9-1.5	No	fill	PHC, VOC
	MW1 SA3	1.5-2.3	No	native silty clay	
	MW1 SA4	2.3-3.0	No	native silty clay	
MW2	MW2 SA3	1.5-2.3	No	native silty clay	
	MW2 SA4	2.3-2.7	No	native silty clay	
MW3	MW3 SA1	0.3-1.3	No	fill	
	MW3 SA3	1.5-2.3	No	native silty clay	
	DUPS-7	MW3 SA3	No	native silty clay	
MW4	MW4 SA1	0.3-1.2	No	fill	
MW5	MW5 SA2	0.8-1.2	No	fill	
MW6	MW6 SA1	0.4-0.9	No	fill	
MW8	MW8 SA1	0.4-0.9	No	fill	
	MW8 SA2	0.9-1.5	No	native silty clay	
MW9	MW9 SA1	0-0.8	No	fill	
	MW9 SA3	1.6-2.2	No	fill	
	MW9 SA4	2.3-3.0	No	native silty clay	
BH14	BH14 SA2	0.9-1.5	No	fill	
	BH14 SA3	1.5-2.4	No	fill	
BH15	BH15 SA2	1.2-1.5	No	native silty sand	
	BH15 SA3	1.5-2.1	No	native silty sand	
	BH15 SA4	2.1-3.0	No	native silty clay	
BH16	BH16 SA1	0.2-0.8	No	fill	
BH17	BH17 SA2	0.6-1.4	No	fill	
	BH17 SA3	1.5-1.8	No	native silty clay	
BH18	BH18 SA2	0.9-1.4	No	fill	
	BH18 SA3	1.5-1.6	No	native silty clay	
BH26	BH26 SA1	0.9-1.5	No	fill	
	BH26 SA2	1.5-2.7	No	fill	
BH27	BH27 SA2	0.9-1.5	No	fill	

0 30 60

1:750 METRES

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

TITLE
SAMPLING LOCATIONS PHC AND VOC IN SOIL

CONSULTANT
wsp

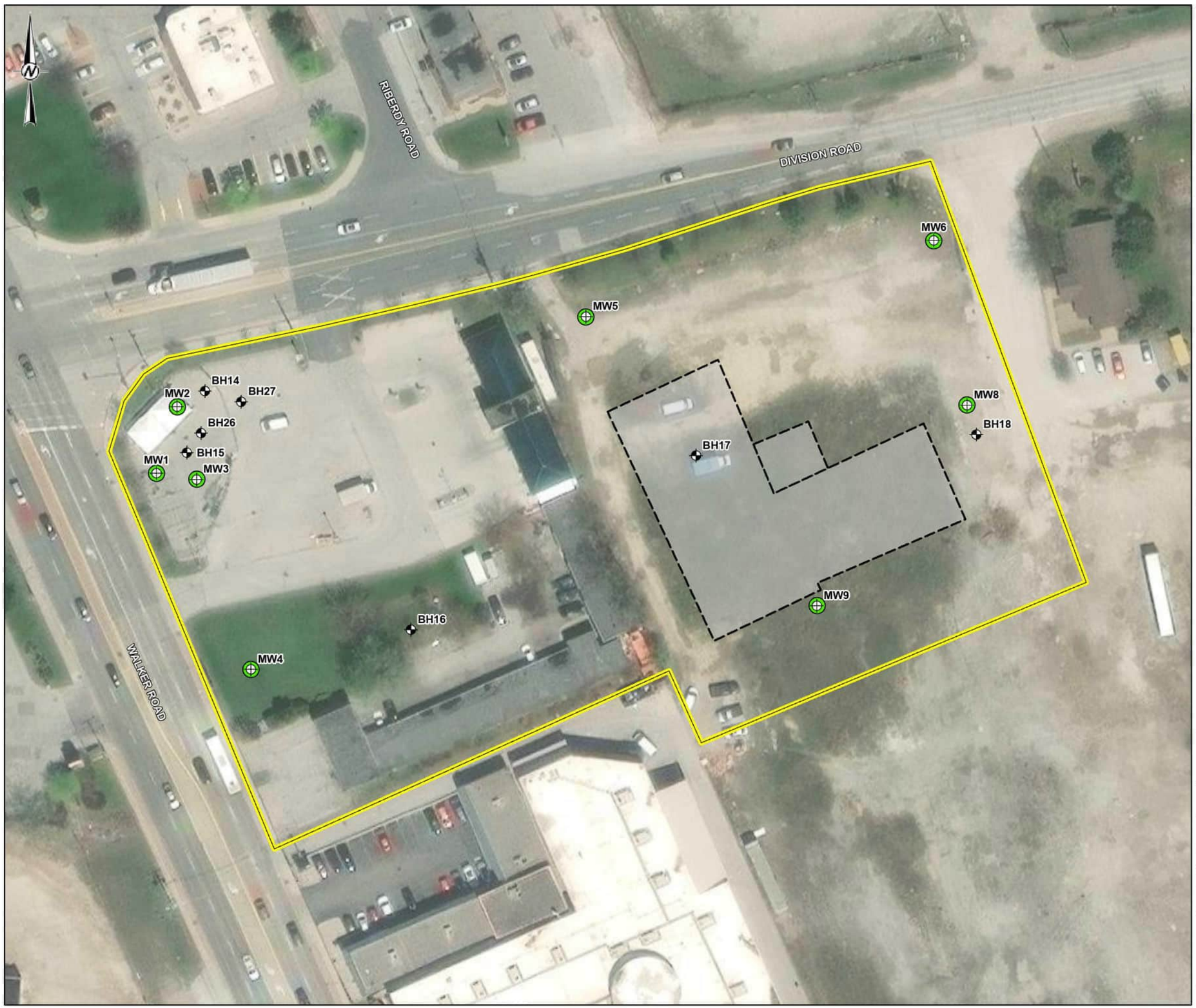
YYYY-MM-DD	2025-08-20
DESIGNED	CM
PREPARED	AR/JT
REVIEWED	DS
APPROVED	---

PROJECT NUMBER CA0046126.8978 | CONTROL 0003 | REV. A | FIGURE 20

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

PATH: S:\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\CA0046126_8978-0003-H45-0000.aprx, PRINTED ON: AT: 10:03:42 AM



LEGEND

- BOREHOLE LOCATION
- MONITORING WELL LOCATION
- CONCENTRATIONS REPORTED NON-DETECT OR BELOW TABLE 3 RPI
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY

NOTE(S)

1. TABLE 3 STANDARDS = MINISTRY OF ENVIRONMENT, CONSERVATION AND PARKS (MECP) SOIL, GROUNDWATER AND SEDIMENT STANDARDS FOR USE UNDER PART XV.1 OF THE ENVIRONMENTAL PROTECTION ACT, FULL DEPTH GENERIC SITE CONDITION STANDARDS FOR FINE TO MEDIUM TEXTURED SOILS FOR RESIDENTIAL/PARKLAND/INSTITUTIONAL PROPERTY USE.
2. CONCENTRATIONS ARE REPORTED IN MICROGRAMS PER LITRE (µg/L).
3. THERE WERE NO EXCEEDANCES OF TABLE 3 STANDARDS FOR THE PARAMETERS:

Summary of Analyzed Samples			
Monitoring Well	Screen Interval (m)	O.Reg. 153/04 Table 3 RPI Exceedances	COPCs Analyzed
MW1	3.0-6.1	No	ORPs, Metals, Hydride Forming Metals, PHC, VOC, PAH
MW2	1.5-4.6	No	
MW3	3.0-6.1	No	
MW4	3.0-6.1	No	
MW5	3.0-6.1	No	
MW6	3.0-6.1	No	
MW8	3.0-6.1	No	
MW9	1.5-4.6	No	

0 30 60

1:750 METRES

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

TITLE
SAMPLING LOCATIONS OF ORPs (pH, EC, CN, Cl, Cr(VI) AND Hg), METALS, HYDRIDE FORMING METALS, PHC, VOC, AND PAH IN GROUNDWATER

CONSULTANT

wsp

YYYY-MM-DD	2025-08-25
DESIGNED	CM
PREPARED	AR/JT
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	21

PATH: S:\Clients\391568_Ontario_Inc\4040_Walker_Road_Windsor\99_PROJ\CA0046126_8978\40_PROD\0003_RSC\CA0046126_8978-0003-H01-0000.aprx, PRINTED ON: AT 4:36:23 PM
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25mm
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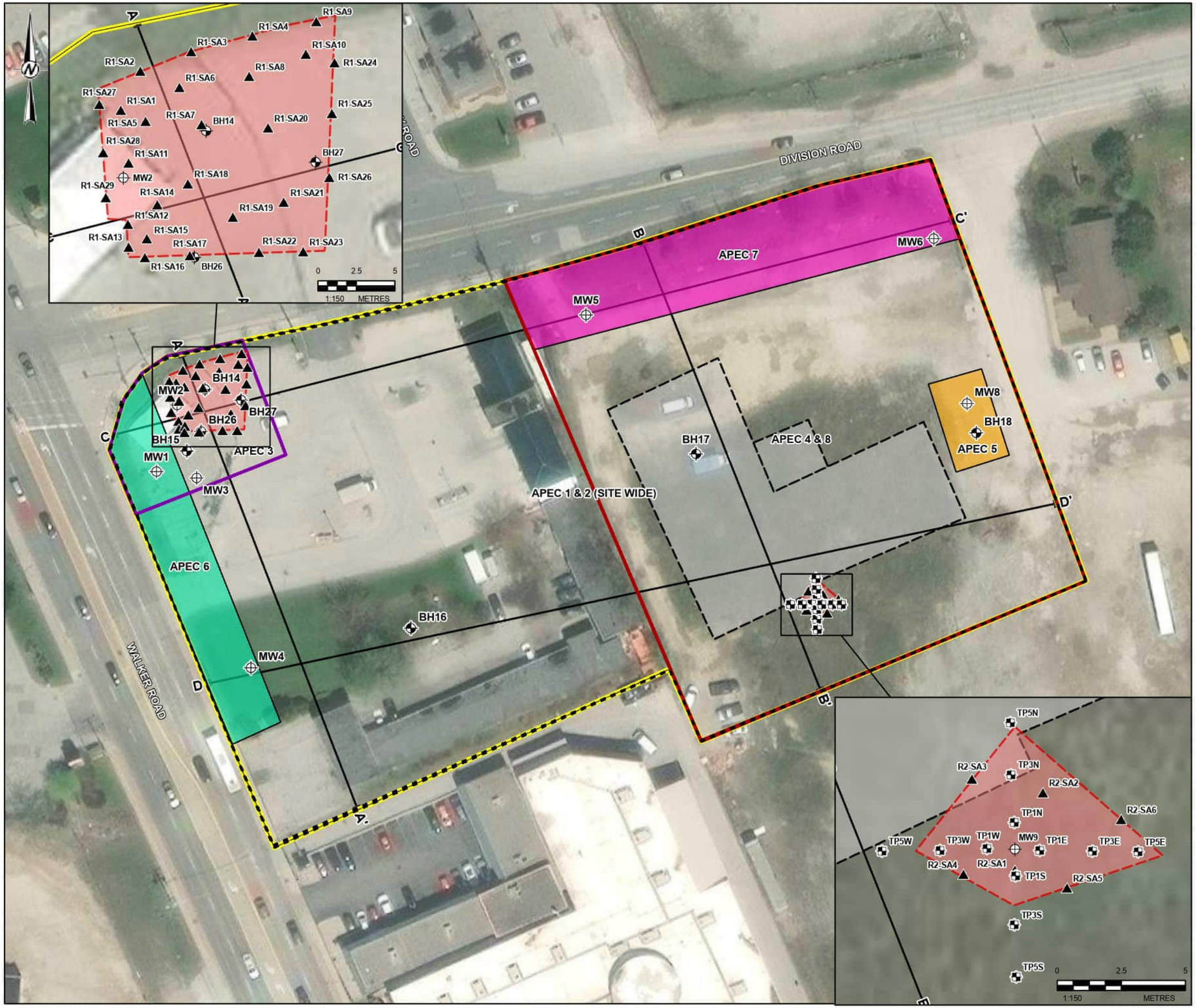

LEGEND

- BOREHOLE LOCATION
- EXCAVATION SAMPLE LOCATION
- MONITORING WELL LOCATION
- TEST PIT LOCATION
- CROSS SECTION LINE
- FORMER BUILDING FOOTPRINT
- RSC PROPERTY BOUNDARY
- REMEDIAL EXCAVATION AREAS

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

- APEC 1 & 2 (SITE WIDE)
- APEC 3
- APEC 4 & 8
- APEC 5
- APEC 6
- APEC 7

0 30 60
1:750 METRES

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

TITLE
REMEDIAL EXCAVATION LIMITS

CONSULTANT

YYYY-MM-DD	2025-10-09
DESIGNED	CM
PREPARED	AR/JT
REVIEWED	DS
APPROVED	---

PROJECT NUMBER	CONTROL	REV.	FIGURE
CA0046126.8978	0003	A	22

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM ANSI B

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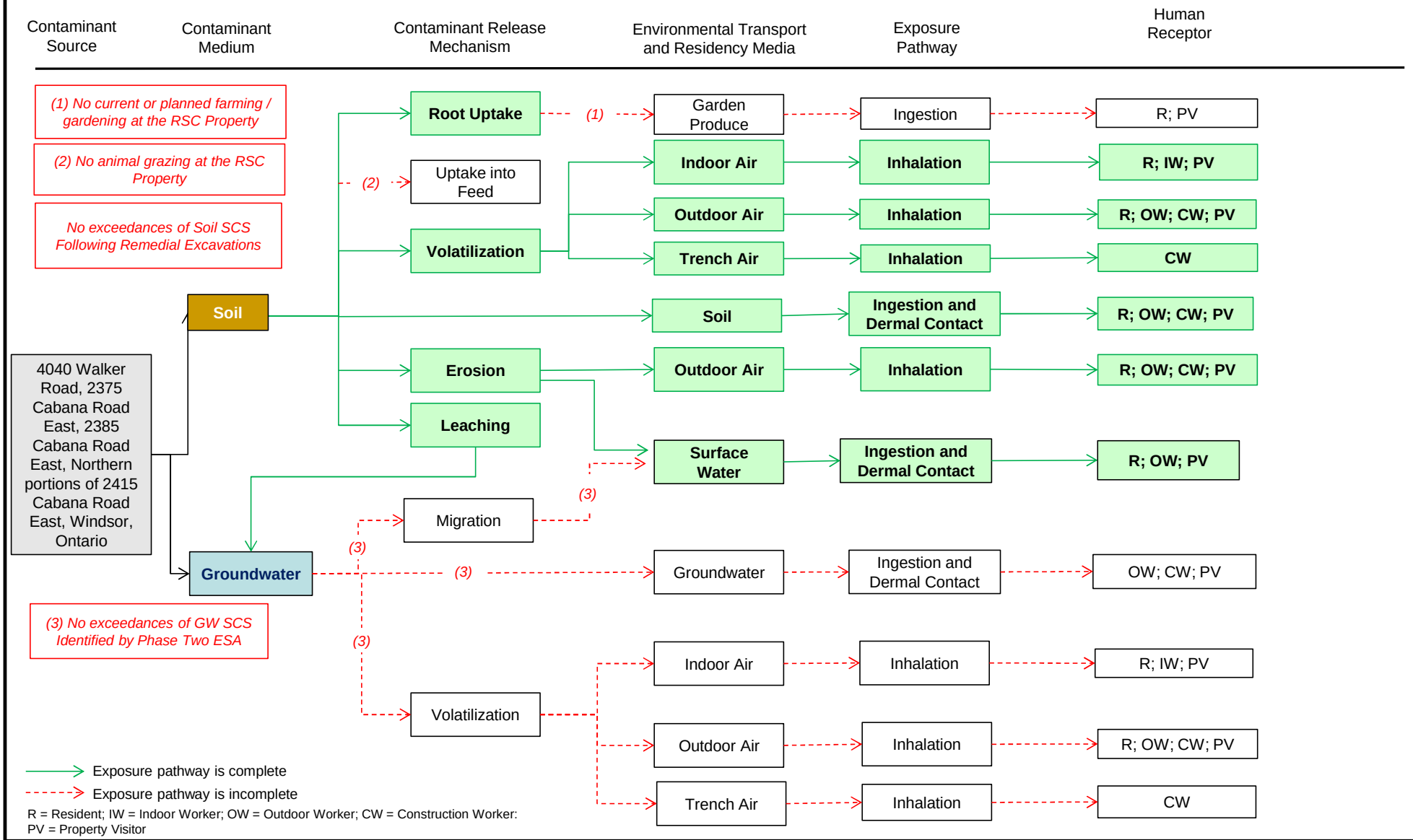
Conceptual Site Model for Human Receptors Prior to Site Remediation
Walker-Cabana Development, Windsor, Ontario

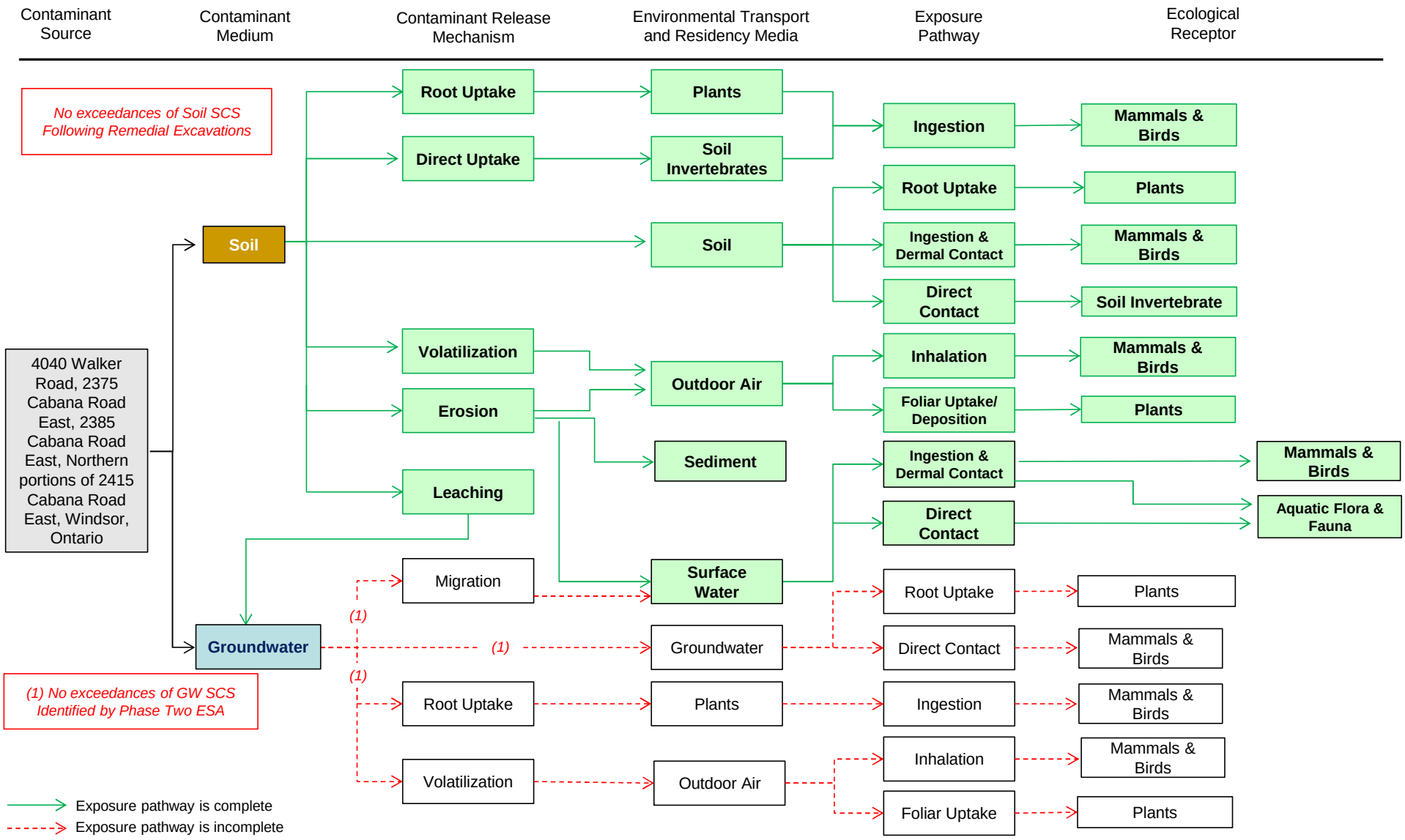
FIGURE 23



Date: August 2025		CAD: DS
Project Number: CA0046126.8978		CKD: CM

Conceptual Site Model for Ecological Receptors Prior to Site Remediation
Walker-Cabana Development, Windsor, Ontario

FIGURE 24



Date: August 2025	wsp	CAD: DS
Project Number: CA0046126.8978		CKD: CM

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
Ⓐ	15356832.50	1107721.49
Ⓑ	1535698.83	1107964.54

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

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

Phase One Property, Phase Two Property and RSC Property

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' 10.0' 15.0' 30.0' 60.0' 90.0' 120.0' 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

ASSOCIATION OF ONTARIO LAND SURVEYORS
PLAN SUBMISSION FORM
1904726

THIS PLAN IS NOT VALID UNLESS IT IS AN EMBOSSED ORIGINAL COPY ISSUED BY THE SURVEYOR
In accordance with Regulation 1026 Section 29(3)

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

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 Ⓐ & Ⓑ 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
■	DENOTES SURVEY MONUMENT FOUND
SIB	DENOTES STANDARD IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
IB	DENOTES IRON BAR
RIB	DENOTES ROUND IRON BAR
CC	DENOTES CUT CROSS
FD	DENOTES SURVEY MONUMENT FOUND
(OU)	DENOTES ORIGIN UNKNOWN
(NTS)	DENOTES NOT TO SCALE
⊥	DENOTES PERPENDICULAR DISTANCE
(S)	DENOTES SET
(M)	DENOTES MEASURED
WIT.	DENOTES WITNESS MONUMENT
(S/P)	DENOTES SET BY PROPORTION
(P)	DENOTES PLAN 12R–25046
(P1)	DENOTES PLAN KOESTER & VERHAEGEN LIMITED O.L.S. DATED AUGUST 21, 1978
(P2)	DENOTES PLAN 12R–22190

CAD DATE: 15/AUG/2014 7:56AM CAD FILE: N:\2014DAT1\35023-00\35023-00.DWG

CLARKE SURVEYORS INCORPORATED
www.clarkesurveyors.com
Established 1970

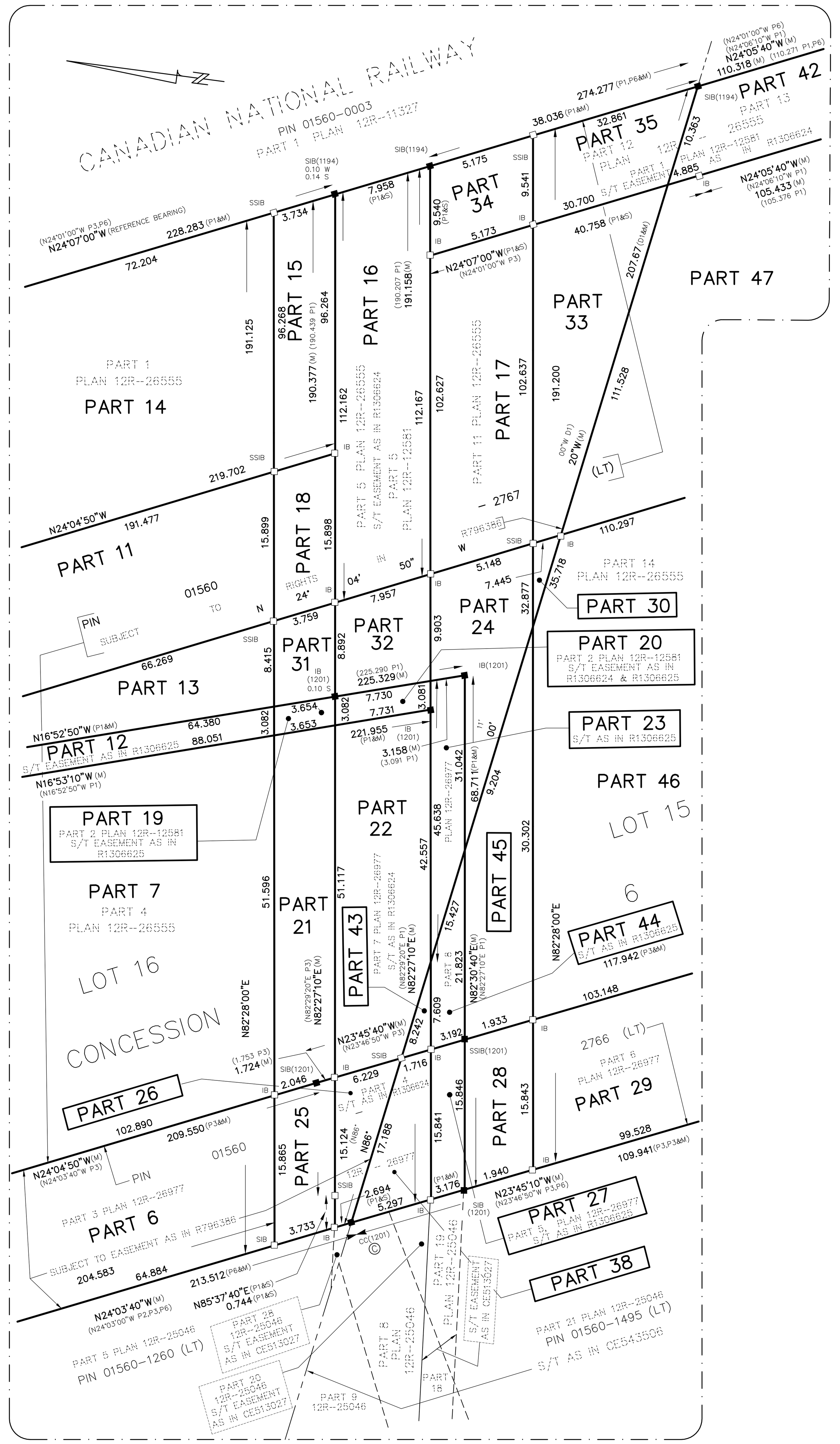
Ontario Land Surveyors
Consulting Surveyors
2535 Lesperance Road
Tecumseh, Ontario
N8N 2X1
Ph. (519) 258-4166
Fax (519) 735-2155
Toll Free 1-888-735-4166

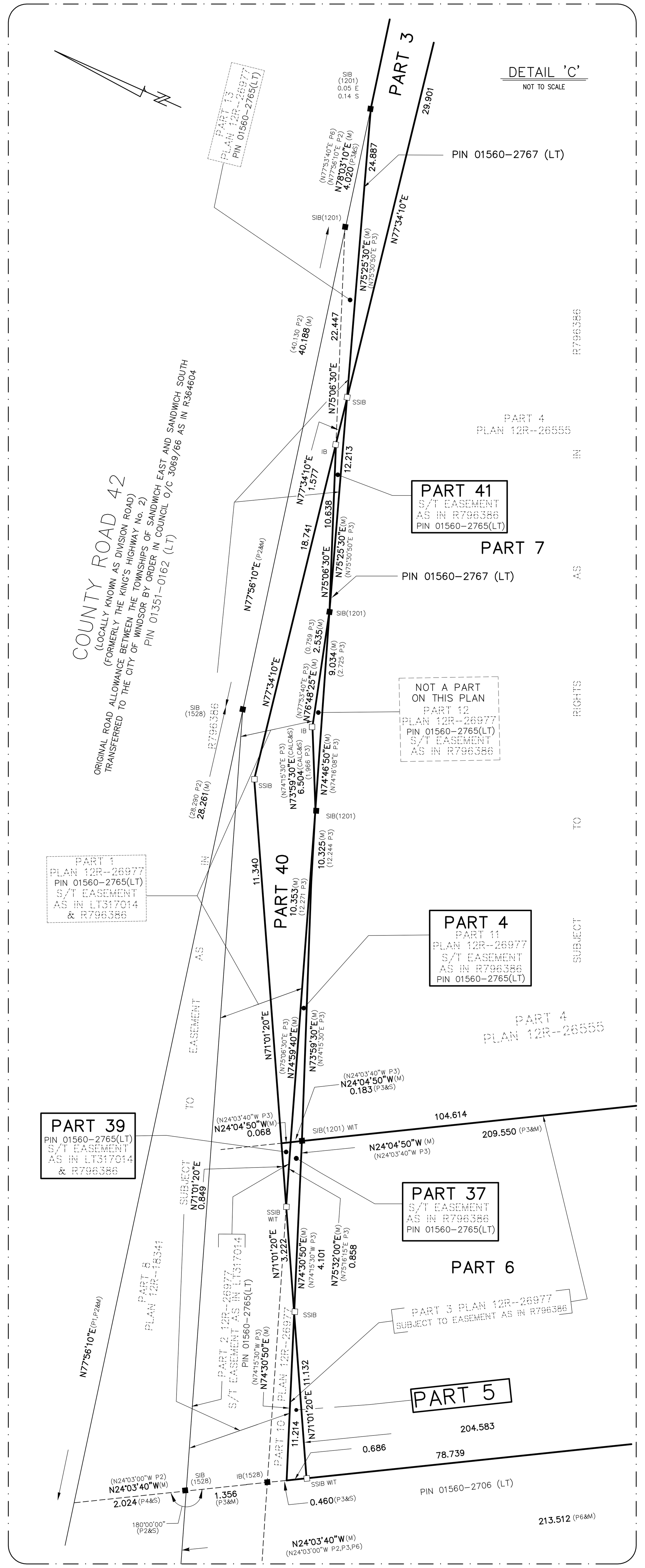
ASSOCIATE COMPANY
MACKAY MACKAY & PETERS LIMITED
Established 1906
BURLINGTON AND HAMILTON ONTARIO

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

LEGEND

□	....	MONUMENT PLANTED
■	....	MONUMENT FOUND
SIB	....	STANDARD IRON BAR
SSIB	....	SHORT STANDARD IRON BAR
IB	....	IRON BAR
CP	....	CONCRETE PIN
CC	....	CUT CROSS
M	....	MEASURED
S	....	SET
CALC	....	CALCULATED FROM PLAN 12R-26977 USING PROPORTIONAL RATIOS
P1	....	PLAN 12R-12581
P2	....	PLAN 12R-18341
P3	....	PLAN 12R-26977
P4	....	PLAN 12R-18008
P5	....	PLAN 12R-25046
P6	....	PLAN 12R-26555
P7	....	PLAN 12R-24533
D1	....	R7976386
1194	....	J. B. SMEETON O.L.S.
1201	....	CLARKE SURVEYORS INC., O.L.S
1528	....	VERHAEGEN, STUBBERFIELD, HARTLEY, BREWER, BEZAIRE INC., O.L.S
OH	....	OVERHEAD WIRES
UP	....	UTILITY POLE
AN	....	UTILITY ANCHOR





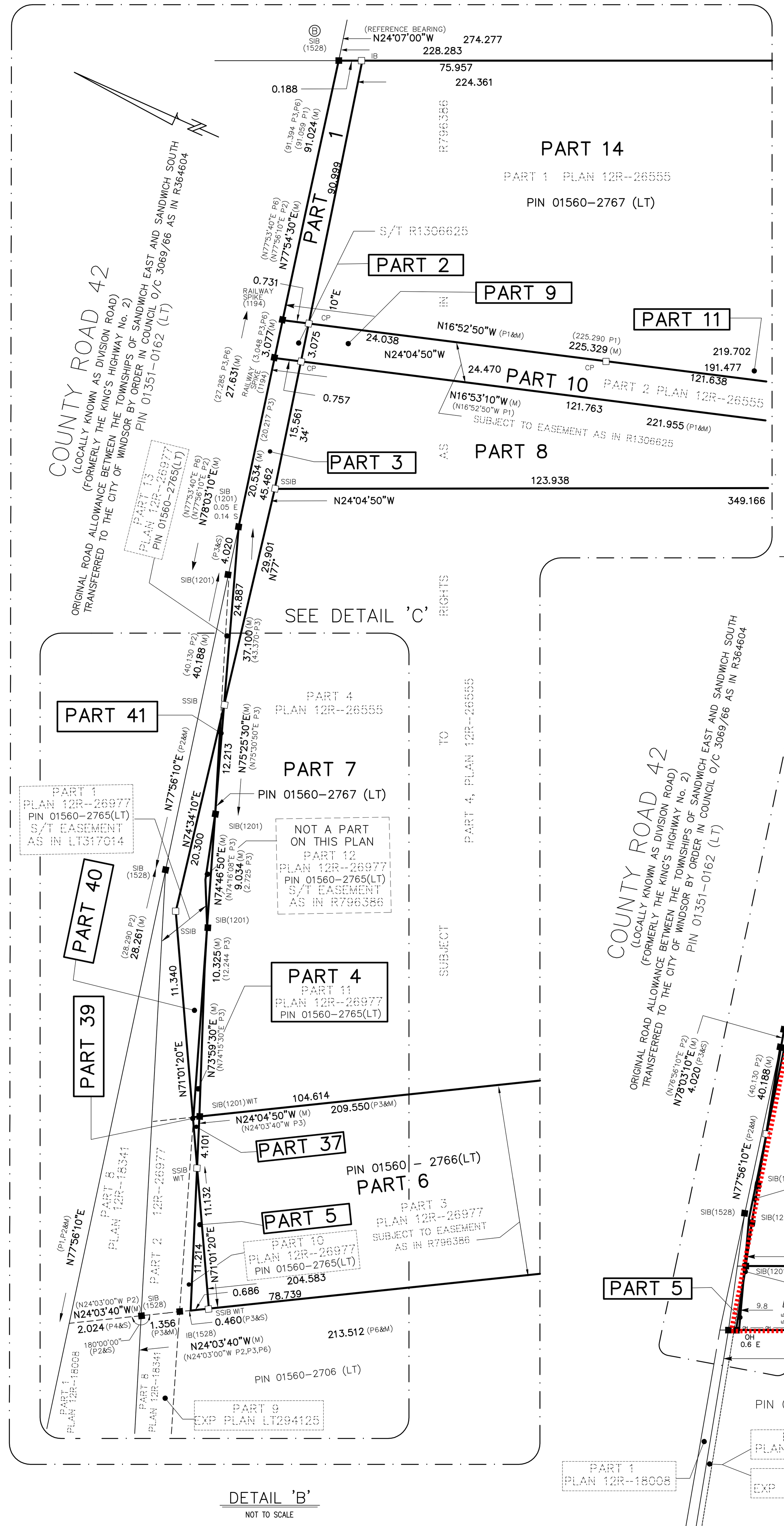
NOTES

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCES ON THIS PLAN ARE HORIZONTAL GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY THE AVERAGE COMBINED SCALE FACTOR OF 0.999904865.

BEARINGS ARE UTM GRID DERIVED FROM NETWORK RTK GPS OBSERVATIONS (TOPNET) ON MONUMENTS Ⓐ AND Ⓑ AS SHOWN HEREON, HAVING A GRID BEARING OF N24°07'00"W, NAD83 CSRS (2010.0) AND ARE REFERRED TO THE CENTRAL MERIDIAN OF UTM ZONE 17 (81° W LONGITUDE).

FOR BEARING COMPARISONS, THE FOLLOWING ROTATIONS WERE APPLIED:
P1 – 1°14'50" CLOCKWISE
P2 – 1°00'00" CLOCKWISE
D1 – 1°08'00" CLOCKWISE



SCHEDULE

PART	LOT	CONCESSION	PIN	AREA (m²)
1	PART OF LOT 16	CONCESSION 6	PART OF PIN 01560-2767 (LT)	41.8
2				2.3
3				28.9
4			PART OF PIN 01560-2765(LT)	0.9
5			PART OF PIN 01560-2766 (LT)	3.8
6				3127.8
7			PART OF PIN 01560-2767 (LT)	12290.9
8				945.1
9				36.9
10				372.0
11				1963.8
12				232.0
13	PART OF LOT 16	CONCESSION 6	PART OF PIN 01560-2767 (LT)	267.2
14				20262.2
15				345.6
16				855.5
17				507.8
18				57.3
19				11.1
20				23.5
21				185.4
22				380.1
23				118.8
24				99.2
25	PART OF LOT 16	CONCESSION 6	PART OF PIN 01560-2766 (LT)	57.4
26				67.5
27	PART OF LOT 15			48.4
28				29.4
29				1542.1
30	PART OF LOTS 15 & 16		PART OF PIN 01560-2767 (LT)	117.3
31	PART OF LOT 16			31.2
32				71.7
33				1876.4
34				47.3
35				290.6
36	PART OF LOT 15		PART OF PIN 01560-1495(LT)	995.9
37	PART OF LOT 16	CONCESSION 6	PART OF PIN 01560-2765(LT)	0.5
38	PART OF LOT 15		PART OF PIN 01560-2766 (LT)	53.3
39	PART OF LOT 16		PART OF PIN 01560-2765(LT)	0.03
40				12.5
41				0.4
42	PART OF LOT 15		PART OF PIN 01560-2767 (LT)	1008.8
43				6.3
44				45.2
45				48.1
46				6610.8
47				10857.0

PLAN 12R-29481

Received and deposited

August 31st, 2023

Jamila Barrett

Representative for the Land Registrar for the Land Titles Division of Essex (No.12)

COORDINATES BELOW ARE DERIVED FROM NETWORK RTK GPS OBSERVATIONS (TOPNET) AND ARE REFERRED TO UTM ZONE 17, NAD83 (CSRS) (2010.0).

COORDINATES COMPLY WITH THE URBAN ABSOLUTE ACCURACY PER SEC. 14(2) OF O.REG. 216/10.

POINT ID	NORTHING	EASTING
Ⓐ	4680659.821	337968.697
Ⓑ	4680910.147	337856.634
Ⓒ	4680674.285	337761.551

COORDINATES CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

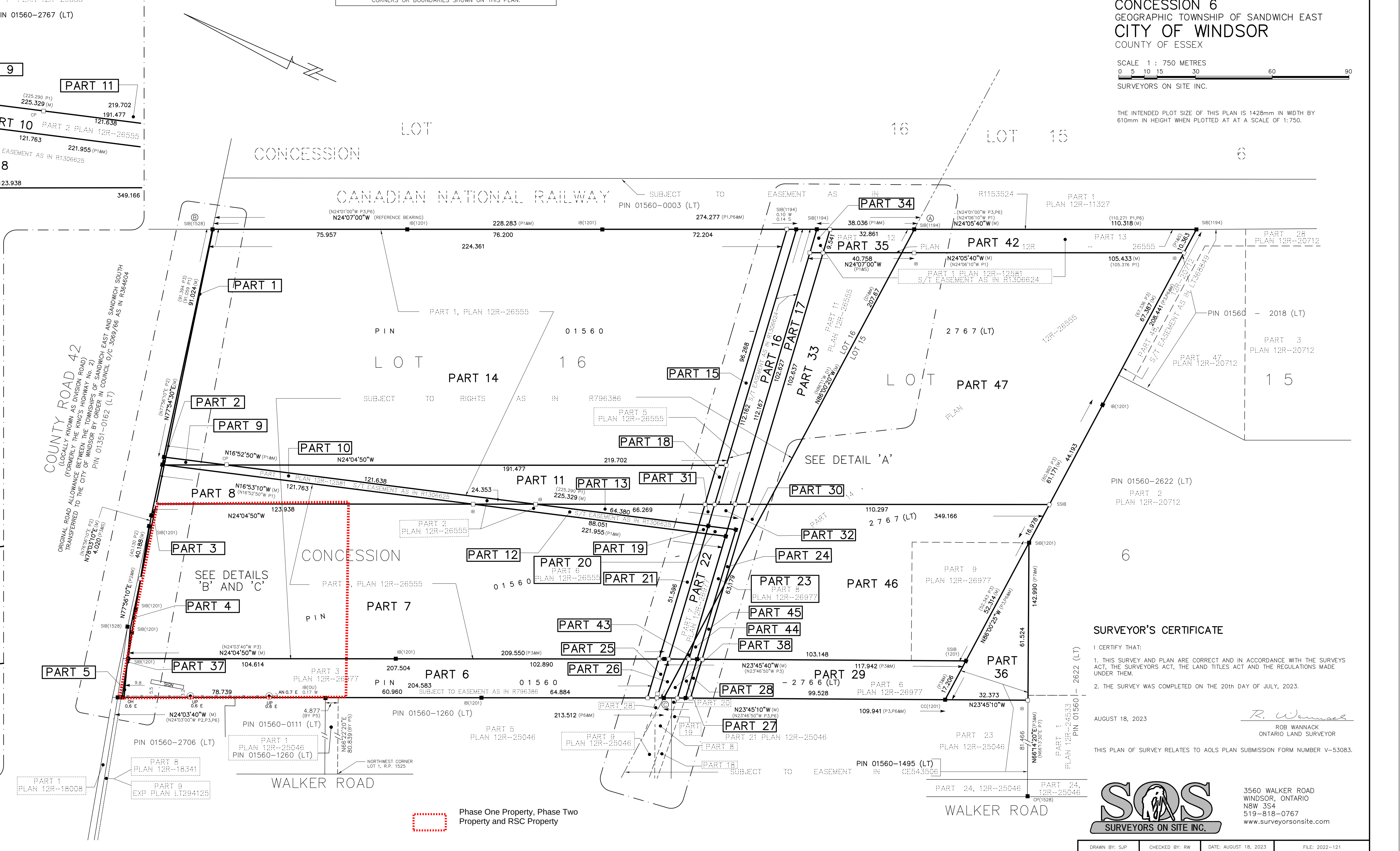
PARTS 1 TO 3 (INCLUSIVE), PARTS 7 TO 24 (INCLUSIVE), PART 30, PARTS 31 TO 35 (INCLUSIVE) AND PARTS 42 TO 47 (INCLUSIVE) COMPRISE ALL OF PIN 01560-2767 (LT).
PARTS 5, 6, 25 TO 29 (INCLUSIVE) AND 38, COMPRISE ALL OF PIN 01560-2766 (LT).
PART 36 COMPRISES PART OF PIN 01560-1495 (LT).
PARTS 4, 37, 39, 40,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

EASEMENT 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 LT317014
PARTS 4, 5 6, 25, 26, 37, 39, 40 & 41 ARE SUBJECT TO EASEMENT AS SET OUT IN R796386
PART 36 IS SUBJECT TO EASEMENT AS SET OUT IN CE543506
PARTS 1 TO 3 (INCULSIVE), 7 TO 24 (INCLUSIVE) AND 30 TO 35 (INCLUSIVE) ARE SUBJECT TO RIGHTS AS SET OUT IN R796386

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 90
SURVEYORS ON SITE INC.

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



Phase One Property, Phase Two Property and RSC Property

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. Wannack
ROB WANNACK
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
N8W 3S4
519-818-0767
www.surveyorsonsite.com

DRAWN BY: SJP	CHECKED BY: RW	DATE: AUGUST 18, 2023	FILE: 2022-121

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**

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

Objective

The objective of the RSC Phase Two ESA is to assess soil and groundwater within the APECs identified by the Phase One ESA report for the RSC Phase Two Property (Walker-Cabana Development property). The RSC Phase Two Property is currently mixed use including a motel, a car wash, and vacant lot, with three building structures present. The Phase Two Property is bound by Cabana Road East (formerly Division Road) to the north, Walker Road to the west, the eastern portion of 2415 Cabana Road East to the east, and commercial properties as well as 2415 Cabana Road East 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.	All on-site boreholes, sampling fill layer	All	28	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 Cabana Road East 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 Cabana Road East historically operated as a concrete pipe manufacturer and was an HWIN waste generator.	2 MW to 20 ft, 2 BHs to 10 ft (into native)	MW5, MW6, MW8, MW9 BH17 and BH18	11	4	VOCs, PHCs, Metals, PAHs, OPR, pH, As, Sb, Se
APEC 5	2415 Cabana Road East 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	Retail fuel outlet at 2295 Cabana Road East 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 7	Historical retail fuel outlet at 2414 Cabana Road East and former fuel tanks at industrial property 2450 Division Road.	3 MW to 20 ft	MW5 and MW6	n/a	2	BTEX, PHCs, Metals, As, Sb, Se
APEC 8	Trucking lot and former concrete pipe storage yard at off-site portion of 2415 Cabana Road East	4 MW to 20 ft	MW5, MW6, MW8, MW9	n/a	4	BTEX, PHCs, Metals, ORP, pH, As, Sb, Se

Notes:
* Reference to MECP comments are included in brackets.
** Collect QA/QC field duplicate samples (minimum of 3 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 MW6, MW8, MW9	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 (eight 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
MW1	1	1	1
MW2	1	1	1
MW3	1	1	1
MW4	1	1	1
MW5	1	1	1
MW6	1	1	1
MW8	1	1	1
MW9	1	1	1
Subtotal	8	8	8
Duplicates	1	1	1
Total	9	9	9

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
Include criteria on COA?	Yes
Use Record of Site Condition analytical procedures?	Yes

Chain-of-Custody Item	Information
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

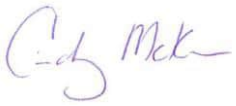
- Check in with PM at start and end of each day and following drilling of each borehole prior to well installation.
- Scan all field forms and borehole logs at end of each day.

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

APPENDIX C

Borehole Logs

PROJECT: CA0046126.8978

LOCATION: N 4680835.60; E 337606.50

RECORD OF BOREHOLE: MW1

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3}	WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
0		GROUND SURFACE		154.97									
		ASPHALT		0.00									Concrete
		(GW) crushed GRANULAR		0.08									
				154.51									
		FILL- silty sand; brown		0.46	1	-	-	ND					
1		- black, petroleum odour at 0.91 m											
		- increased clay content at 1.22 m			2	-	-	ND					
				153.45									Bentonite
		(Cl) SILTY CLAY, trace gravel, trace sand; mottled brown and grey; trace petroleum odour		1.52	3	-	-	ND					
2													
					4	-	-	ND					
		- transition to brown @ 2.74 m											
3	Direct Push			151.92									Sand
		(Cl) SILTY CLAY, trace gravel, trace sand; brown		3.05	5	-	-	ND					
					6	-	-	ND					
4		- transition to grey at 4.27 m											
				150.40									30 mm Dia PVC Slot Screen
		(Cl) SILTY CLAY, trace gravel, trace sand; grey		4.57	7	-	-	ND					
5													
6				148.87									
		END OF BOREHOLE		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 4680848.50; E 337610.50

RECORD OF BOREHOLE: MW2

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp, W, Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
0		GROUND SURFACE		155.04						
		ASPHALT		0.00						
		(GW) crushed GRANULAR		0.08						Concrete
				154.43						
		FILL- silty sand; brown		0.61	1	-	- ND			Bentonite
1		- black, petroleum odour at 1.22 m		153.52	2	-	- ND			Sand
		(Cl) SILTY CLAY, with sand; grey; petroleum odour; wet		1.52	3	-	-			
2	Direct Push				4	-	- ND			
				152.30						
		(Cl) SILTY CLAY, trace gravel, trace sand; brown; wet		2.74						
3					5	-	- ND			30 mm Dia PVC Slot Screen
				151.23						
		(Cl) SILTY CLAY, trace gravel, trace sand; brown; dry		3.81	6	-	- ND			
4		- transition to grey at 4.27 m		150.47						
		(Cl) SILTY CLAY, trace gravel, trace sand; grey		4.57	7	-	- ND			
5				149.71						
		END OF BOREHOLE		5.33						
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 4680834.40; E 337614.30

RECORD OF BOREHOLE: MW3

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3}	WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
0		GROUND SURFACE		154.92									
		ASPHALT		0.00									Concrete
		(GW) crushed GRANULAR		0.08 154.62									
		FILL- silty clay with sand; brown to orange		0.30	1	-	-	ND					
1				153.55									
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.37	2	-	-	ND					Bentonite
					3	-	-	ND					
2													
					4	-	-	ND					
	Direct Push	- transition to brown at 2.74 m.											Sand
3				151.87									
		(CI) SILTY CLAY, trace gravel, trace sand; brown		3.05	5	-	-	ND					
4					6	-	-	ND					
		- transition to grey at 4.27 m											
				150.35									30 mm Dia PVC Slot Screen
		(CI) SILTY CLAY, trace gravel, trace sand; grey		4.57									
5													
					7	-	-	ND					
6				148.82									
		END OF BOREHOLE		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 4680797.30; E 337624.90

RECORD OF BOREHOLE: MW4

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400 / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3} / WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
0		GROUND SURFACE		154.70						
		TOPSOIL- grass		0.00						
		FILL- silty clay, trace gravel, trace sand; brown, contains brick chunks		0.15	1	-	-	ND		Concrete
1				153.48						
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.22	2	-	-	ND		Bentonite
				152.87						
2		(CI) SILTY CLAY, trace gravel, trace sand; grey; wet		1.83	3	-	-	ND		
				152.41						
		(CI) SILTY CLAY, trace gravel, trace sand; brown; dry		2.29	4	-	-	ND		Sand
3	Direct Push			151.35						
		(SM) SILTY SAND, trace clay; brown		3.35	5	-	-	ND		
				150.89						
		(CI) SILTY CLAY, trace gravel, trace sand; grey		3.81	6	-	-	ND		30 mm Dia PVC Slot Screen
4										
5										
					7	-	-	ND		
6				148.60						
		END OF BOREHOLE		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 4680866.10; E 337690.20

RECORD OF BOREHOLE: MW5

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3}	WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		155.06									
0		TOPSOIL		0.00 / 154.76									Concrete
		gravelly FILL; grey		0.30 / 154.20	1	-	-	ND					
1		ASPHALT		0.91									
		FILL- silty sand, trace gravel; black; possible foundry sand		153.84	2	-	-	ND					
		(Cl) SILTY CLAY, trace gravel, trace sand; black		1.22 / 153.54									Bentonite
		(Cl) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.52	3	-	-	ND					
2					4	-	-	ND					
	Direct Push												
3				152.01									Sand
		(Cl) SILTY CLAY, trace gravel, trace sand; brown		3.05	5	-	-	ND					
		- transition to grey at 3.81 m			6	-	-	ND					
4				150.49									30 mm Dia PVC Slot Screen
		(Cl) SILTY CLAY, trace gravel, trace sand; grey		4.57									
5													
					7	-	-	ND					
6				148.96									
		END OF BOREHOLE		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 4680880.80; E 337757.90

RECORD OF BOREHOLE: MW6

BORING DATE: February 5, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

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

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680848.80; E 337764.40

RECORD OF BOREHOLE: MW8

BORING DATE: February 5, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp W Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
0		GROUND SURFACE		154.87						
	Direct Push	(GW) crushed GRANULAR		0.00 / 154.41						Concrete
		FILL- sand; black; possible foundry sand - increased clay content at 0.76 m		0.46 / 153.96	1	-	-	ND		
1		(Cl) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		0.91 / 152.43	2	-	-	ND		Bentonite
					3	-	-	ND		
2										
		(Cl) SILTY CLAY, trace gravel, trace sand; brown		2.44 / 150.30	4	-	-	ND		Sand
3					5	-	-	ND		
		- transition to grey at 4.11 m			6	-	-	ND		
4										
		(Cl) SILTY CLAY, trace gravel, trace sand; grey		4.57 / 148.77	7	-	-	ND		30 mm Dia PVC Slot Screen
5										
6		END OF BOREHOLE		6.10						
7										
8										
9										
10										

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680809.70; E 337735.20

RECORD OF BOREHOLE: MW9

BORING DATE: February 5, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3}	WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		156.22									
0	Direct Push	FILL- silty clay, trace gravel, trace sand; trace debris, grass; brown		0.00	1	-	-	ND					Concrete
1					2	-	-	ND					Bentonite
		- wet at 1.37 m											Sand
				154.54									
		FILL- sand; black; wet, possible foundry sand		1.68	3	-	-	ND					
2				153.93									
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.29	4	-	-	ND					
3				153.17									30 mm Dia PVC Slot Screen
		(CI) SILTY CLAY, trace gravel, trace sand; brown		3.05	5	-	-	ND					
4					6	-	-	ND					
		- transition to grey at 4.42 m		151.65									
		(CI) SILTY CLAY, trace gravel, trace sand; grey		4.57	7	-	-	ND					
5				150.89									
		END OF BOREHOLE		5.33									
6													
7													
8													
9													
10													

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680851.60; E 337615.80

RECORD OF BOREHOLE: BH14

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp, W, Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		155.00						
0	Direct Push	ASPHALT		0.00						
		(GW) crushed GRANULAR		0.08	1	-	-	ND		
				154.09						
1		FILL- silty clay; black and grey, contains light petroleum odour		0.91	2	-	-	ND		
				153.48						
		FILL- silty clay; grey, contains light petroleum odour		1.52	3	-	-	ND		
2				152.56						
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.44	4	-	-	ND		
3				151.95						
		END OF BOREHOLE		3.05						
4										
5										
6										
7										
8										
9										
10										

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680839.50; E 337612.40

RECORD OF BOREHOLE: BH15

SHEET 1 OF 1

BORING DATE: February 4, 2025

DATUM: Local

DRILL RIG: Track Mount

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3}	WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		154.92									
0		ASPHALT		0.00									
		(GW) crushed GRANULAR		0.08 / 154.62									
		FILL- silty sand, trace gravel; brown		0.30 / 154.31									
		FILL- sandy clay; brown		0.61									
1	Direct Push			153.70	1	-	-	ND					
		(SM) SILTY SAND; black, contains petroleum odour		1.22	2	-	-	ND					
		- increased clay content at 1.83 m		152.79	3	-	-	ND	□				
2		(Cl) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.13	4	-	-	ND					
3				151.87									
		END OF BOREHOLE		3.05									
4													
5													
6													
7													
8													
9													
10													

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680805.00; E 337656.10

RECORD OF BOREHOLE: BH16

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected) 100 200 300 400	HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected) 100 200 300 400	HYDRAULIC CONDUCTIVITY, k, cm/s 10^{-6} 10^{-5} 10^{-4} 10^{-3}	WATER CONTENT PERCENT Wp W Wl 10 20 30 40	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		155.28									
0	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					
				153.76									
		END OF BOREHOLE		1.52									
2													
3													
4													
5													
6													
7													
8													
9													
10													

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680838.90; E 337711.60

RECORD OF BOREHOLE: BH17

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ND = Not Detected (100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] ND = Not Detected (100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT Wp W Wl (10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		154.92							
0	Direct Push	FILL- silty clay, trace gravel, trace sand; brown		0.00							
		(GW) crushed GRANULAR		0.15	1	-	-	ND			
				154.31							
		FILL- sand; black, possible foundry sand		0.61	2	-	-	ND			
1				153.55							
		(CI) SILTY CLAY, trace gravel, trace sand; greenish grey		1.37	3	-	-	ND			
				153.09							
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.83	4	-	-	ND			
2											
3				151.87							
		END OF BOREHOLE		3.05							
4											
5											
6											
7											
8											
9											
10											

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680843.10; E 337766.30

RECORD OF BOREHOLE: BH18

BORING DATE: February 4, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	DESCRIPTION	STRATA PLOT	ELEV. DEPTH (m)	SAMPLES NUMBER	SAMPLES TYPE	SAMPLES BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ ND = Not Detected (100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ ND = Not Detected (100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT Wp W Wl (10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		154.83							
0	Direct Push	(GW) crushed GRANULAR		0.00 154.53							
		FILL- sand, clay and gravel; orange to brown		0.30 153.92	1	-	-	ND			
1		FILL- sand; black, possible foundry sand		0.91 153.46	2	-	-	ND			
		(CI) SILTY CLAY; greenish grey		1.37 153.15	3	-	-	ND			
2		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.68	4	-	-	ND			
3				151.78							
		END OF BOREHOLE		3.05							
4											
5											
6											
7											
8											
9											
10											

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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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: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	SAMPLES: TYPE	SAMPLES: BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
		GROUND SURFACE		154.91						
0		ASPHALT		0.00						
		(GW) crushed GRANULAR		0.08						
				154.45						
		FILL - silty clay, with gravel; brown		0.46						
1	Direct Push	- dark grey, no odour at 0.91 m			1	-	-	ND		
		- light petroleum odour @ 1.52 m								
2					2	-	-	ND		
				152.17						
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		2.74						
3				151.86						
		END OF BOREHOLE		3.05						
4										
5										
6										
7										
8										
9										
10										

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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PROJECT: CA0046126.8978

LOCATION: N 4680849.50; E 337623.00

RECORD OF BOREHOLE: BH27

BORING DATE: February 5, 2025

DRILL RIG: Track Mount

SHEET 1 OF 1

DATUM: Local

DEPTH SCALE METRES	BORING METHOD	SOIL PROFILE: DESCRIPTION	STRATA PLOT	ELEV. / DEPTH (m)	SAMPLES: NUMBER	TYPE	BLOWS/0.3m	HEADSPACE COMBUSTIBLE VAPOUR CONCENTRATIONS [PPM] ⊕ (ND = Not Detected; 100 200 300 400) / HEADSPACE ORGANIC VAPOUR CONCENTRATIONS [PPM] □ (ND = Not Detected; 100 200 300 400)	HYDRAULIC CONDUCTIVITY, k, cm/s (10^{-6} 10^{-5} 10^{-4} 10^{-3}) / WATER CONTENT PERCENT (Wp — W — Wl; 10 20 30 40)	ADDITIONAL LAB. TESTING	PIEZOMETER OR STANDPIPE INSTALLATION
0		GROUND SURFACE		154.98						
		ASPHALT		0.00						
		(GW) crushed GRANULAR		0.08 154.68						
		FILL- silty clay, trace sand, trace gravel; brown, grey and black staining		0.30	1	-	-	ND		
1				154.07						
		FILL- sand; black; contains fine crushed granular		0.91 153.76	2	-	-	ND		
	Direct Push	FILL- silty clay; black and grey		1.22 153.46						
		(CI) SILTY CLAY, trace gravel, trace sand; mottled brown and grey		1.52	3	-	-	ND		
2					4	-	-	ND		
3				151.93						
		END OF BOREHOLE		3.05						
4										
5										
6										
7										
8										
9										
10										

DEPTH SCALE

1 : 50

LOGGED: DS

CHECKED:

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APPENDIX D

Certificates of Analysis

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www.paracellabs.com

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-Mar-2025
Order Date: 6-Feb-2025

Revised Report

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

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

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	-	-

	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	-	-

	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%	-	-

	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	-	-

	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%	-	-

	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	-	-

	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	-	-

	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							

	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%	-	-

	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%	-	-

	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	-	-

	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	-	-

	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%	-	-

	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							

	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	-	-

	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%	-	-

	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	-	-

	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							

	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%	-	-

	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%	-	-

	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	-	-

	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							

	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%	-	-

	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%	-	-

	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	-	-

	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	-	-

	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							

	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%	-	-

	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%	-	-

	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	-	-

	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	-	-

	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%	-	-

	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	-	-

	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%	-	-

	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	-	-

	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	-	-

	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							

	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%	-	-

	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%	-	-

	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	-	-

	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							

	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%	-	-

	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	-	-	-

	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							

	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	-	-	-

	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	-	-

	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%	-	-	-

	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	-	-	-	-	-

	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							

	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%	-	-	-	-	-

	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%	-	-	-	-	-

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					

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					

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*			

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*			

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	

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	

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	

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*			

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									

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			

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*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Surrogate: Dibromofluoromethane	*6.87*		*%*		*85.8*	*50-140*			
Surrogate: Toluene-d8	*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			
Surrogate: Toluene-d8	*8.32*		*%*		*104*	*50-140*			

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 unlesss 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 liabilty 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.

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Paracel ID: 2506346

Chain of Custody (Lab Use Only)

Page 1 of 6

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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
1	MW1 SA2	S		2	4-Feb-25	1130	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
2	MW1 SA3	S		2	4-Feb-25	1140	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3	MW1 SA4	S		2	4-Feb-25	1150	☑	☑	☐	☐	☐	☐	☐	☑	☑	☐	☐	☐	☐	☐	☐
4	MW2 SA3	S		2	4-Feb-25	1240	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
5	MW2 SA4	S		2	4-Feb-25	1250	☑	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
6	MW3 SA1	S		2	4-Feb-25	1045	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
7	MW3 SA3	S		2	4-Feb-25	1055	☑	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
8	MW4 SA1	S		2	4-Feb-25	0830	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
9	MW5 SA2	S		2	4-Feb-25	1520	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐
10	MW5 SA3	S		2	4-Feb-25	1530	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐

Required Analyses

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 14:00
Date/Time: February 6, 2025 1200	Temperature: 5.0 °C	Temperature: _____ °C	pH Verified [ ] By:

-5.4, 0.1, 2.9, 6.4, -0.1

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Paracel ID: 2506346

Chain of Custody
(Lab Use Only)

Page 2 of 6

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		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com, derek.saliba@wsp.com	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)

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

Required Analyses

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
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 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 14:00
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: ____ °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE. RELIABLE.

Paracel ID: 2506346

Chain of Custody
(Lab Use Only)

Page 3 of 6

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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
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	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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 7/25	Date/Time: Feb. 6/25 14:08
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: _____ °C	pH Verified [ ] By:

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Paracel ID: 2506346

Chain of Custody
(Lab Use Only)

Page 4 of 6

Client Name: WSP Canada Inc.		Project Reference: CA0046126.8978.2000	TAT: ☑ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day
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	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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	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	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐

Required Analyses

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 14:00
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: ____ °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE. RELIABLE.

Paracel ID: 2506346

Chain of Custody
(Lab Use Only)

Page 5 of 6

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		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com, derek.saliba@wsp.com	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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
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	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐

Required Analyses

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
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Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: ____ °C	pH Verified [ ] By:

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Paracel ID: 2506346

Chain of Custody
(Lab Use Only)

Page 6 of 6

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	
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Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com, derek.saliba@wsp.com	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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	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
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							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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 14:00
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: ____ °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD.
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351 Nash Road North, unit 9B
Hamilton, ON L8H 7P4
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

WSP Canada Inc. (Windsor)
11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Report Date: 3-Mar-2025
Order Date: 14-Feb-2025

Client PO: P110955CA001
Project: CA0046126.8978.2000

Order #: 2507405

Custody:

Revised Report

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**

Paracel 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

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

	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]	-	-

	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]	-	-	-	-	-

	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]	-	-	-	-	-

	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							

	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%	-	-

	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]	-	-

	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]	-	-

	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	-	-	-	-	-

	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%	-	-	-	-	-

	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]	-	-	-	-	-

	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]	-	-	-	-	-

	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							

	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%	-	-

	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	-	-

	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%	-	-	-	-	-

	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	-	-	-	-	-

	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]	-	-

	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	-	-

	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	-	-

	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%	-	-

	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]	-	-	-	-

	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]	-	-	-	-	-

	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%	-	-	-	-	-

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					

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					

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					

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*			

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	

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	

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	

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*			

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			

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			

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			

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*			

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 unlesss 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 liabilty 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.

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Paracel ID: 2507405

Chain of Custody
(Lab Use Only)

Page 1 of 5

Client Name: WSP Canada Inc.		Project Reference: CA0046126.8978.2000	TAT: ☑ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day
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	Date Required:

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)

Paracel Order Number: 2507405

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	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	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☑	☐	☐	☐

Required Analyses

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

Method of Delivery: PICK UP

Relinquished By (Sign):	Received by Driver/Depot: K. Jakobsen	Received at Lab:	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 1100	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE. RELIABLE.

Paracel ID: 2507405

Chain of Custody (Lab Use Only)

Page 2 of 5

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)

Paracel Order Number: 2507405

Required Analyses

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC	pH	BTEX				
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 COC sample ID if difference between COC and soil jar

Method of Delivery: Pick up

Relinquished By (Sign):		Received by Driver/Depot: K. Jakobsen	Received at Lab:
Relinquished By (Print):	Derek Saliba	Date/Time: Feb. 14/25 11:30	Date/Time: Feb 15/25 10.35
Date/Time:	February 14, 2025 1100	Temperature: 6.2 °C	Temperature: 3.7 °C

Verified By: K. Jakobsen

Date/Time: Feb. 14/25 14:20

pH Verified [ ] By: _____

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Paracel ID: 2507405

Chain of Custody
(Lab Use Only)

Page 3 of 5

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)

Paracel Order Number: 2507405

Required Analyses

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken 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):	Received by Driver/Depot: K. Jakobsen	Received at Lab:	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 1100	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [ ] By:

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Paracel ID: 2507405

Chain of Custody
(Lab Use Only)

Page 4 of 5

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		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com, derek.saliba@wsp.com	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: 2507405

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	HOLD						
1	MW11 SA2 (2506346-21)	S		2	3-Feb-25	0945	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
2	BH14 SA3 (2506346-25)	S		2	4-Feb-25	1425	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
3	BH15 SA4 (2506346-hold)	S		2	4-Feb-25	1340	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
4	BH19 SA2b	S		1	5-Feb-25	1231	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
5	BH19 SA2c	S		1	5-Feb-25	1232	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
~~6~~	~~BH19 SA3~~	S		1	5-Feb-25	1235	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
7	BH20 SA2b	S		1	5-Feb-25	1256	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
8	BH20 SA2c	S		1	5-Feb-25	1257	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
~~9~~	~~BH20 SA3~~	S		1	5-Feb-25	1300	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
10	BH21 SA2b	S		2	3-Feb-25	1306	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐

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

Method of Delivery: PICK UP

Relinquished By (Sign):	Received by Driver/Depot: K. Jakobsen	Received at Lab:	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 1106	Temperature: 6.2 °C	Temperature: 3.7 °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE RELIABLE.

Paracel ID: 2507405

Chain of Custody
(Lab Use Only)

Page 5 of 5

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)

Paracel Order Number: 2507405

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	HOLD						
1	~~BH21 SA2c~~	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							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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

Method of Delivery: PICK UP

Relinquished By (Sign):	Received by Driver/Depot: K. Jakobsen	Received at Lab:	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:

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351 Nash Road North, unit 9B
Hamilton, ON L8H 7P4
1-800-749-1947
www.paracellabs.com

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

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

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%	-	-	-	-	-

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					

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*			

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	

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	
Surrogate: 4-Bromofluorobenzene	*0.722*		*%*		*105*	*83-134*			
Surrogate: Dibromofluoromethane	*0.687*		*%*		*99.8*	*78-124*			
Surrogate: Toluene-d8	*0.728*		*%*		*106*	*76-118*			
Physical Characteristics									
% Solids	83.3	0.1	% by Wt.	83.3			0.0	25	

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			

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*			

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 unlesss 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 liabilty 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.

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE RELIABLE.

Paracel ID: 2506351

Chain of Custody (Lab Use Only)

Page 1 of 6

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)

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

Required Analyses

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
1	MW1 SA2	S		2	4-Feb-25	1130	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
2	MW1 SA3	S		2	4-Feb-25	1140	☑	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3	MW1 SA4	S		2	4-Feb-25	1150	☑	☑	☐	☐	☐	☐	☐	☑	☑	☐	☐	☐	☐	☐
4	MW2 SA3	S		2	4-Feb-25	1240	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
5	MW2 SA4	S		2	4-Feb-25	1250	☑	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
6	MW3 SA1	S		2	4-Feb-25	1045	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
7	MW3 SA3	S		2	4-Feb-25	1055	☑	☑	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
8	MW4 SA1	S		2	4-Feb-25	0830	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
9	MW5 SA2	S		2	4-Feb-25	1520	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
10	MW5 SA3	S		2	4-Feb-25	1530	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐

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: SD	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb 7, 2025 10:15a	Date/Time: Feb. 6/25 14:00
Date/Time: February 6, 2025 1200	Temperature: 5.0 °C	Temperature: 1.5 °C	pH Verified [ ] By:

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Paracel ID: 2506351

Chain of Custody
(Lab Use Only)

Page 2 of 6

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☑ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day
Contact Name: Cindy McKee	Quote # 24-628	
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 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 (BULK) AND 2506351 (TCLP)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
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	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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: 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 1220	Temperature: 5.0 °C	Temperature: -1.5 °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVI RELIABLE.

Paracel ID: 2506351

Chain of Custody
(Lab Use Only)

Page 3 of 6

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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	Cr VI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
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 Lab: SO	Verified By: K. Jakobsen
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 1220	Temperature: 5.0 °C	Temperature: -1.5 °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE. RELIABLE.

Paracel ID: 2506351

Chain of Custody
(Lab Use Only)

Page 4 of 6

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.2000	TAT: ☑ Regular ☐ 3 Day ☐ 2 Day ☐ 1 Day	
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	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)

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

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	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	☑	☑	☑	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐

Required Analyses

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: 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 14:06
Date/Time: February 6, 2025 1320	Temperature: 5.0 °C	Temperature: 1.5 °C 6.4	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | 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
Contact Name: Cindy McKee		Quote # 24-628	
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 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 (BULK) AND 2506351 (TCLP)

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	Texture	HOLD				
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	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐

Required Analyses

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: SO	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 1220	Temperature: 5.0 °C	Temperature: -1.5 °C	pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIV 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	
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	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)

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

Required Analyses

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	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
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: SD	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: Feb. 6/25 12:20	Date/Time: Feb 7, 2025 10:10am	Date/Time: Feb. 6/25 14:00
Date/Time: February 6, 2025 1220	Temperature: 5.0 °C	Temperature: -1.5 °C	pH Verified [ ] By:

Chain of Custody (Env) - Rev 0.6 Jan. 2015

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 Tecumseh Ontario Canada N8N 0H1	Address	: 60 Northland Road, Unit 1 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.

Signatories	*Position*	*Laboratory Department*
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-All	117.32 %	0.79 µg/L
	Water	Chlorobenzene		ON153/04	T9-NPGW-All	108.2 %	500 µg/L
	Water	Chloroform		ON153/04	T9-NPGW-All	117.66 %	2.4 µg/L
	Water	Dibromochloromethane		ON153/04	T9-NPGW-All	121.13 %	65000 µg/L
	Water	Dibromoethane, 1,2-		ON153/04	T9-NPGW-All	105.73 %	0.25 µg/L
	Water	Dichlorobenzene, 1,2-		ON153/04	T9-NPGW-All	99.63 %	4600 µg/L
	Water	Dichlorobenzene, 1,3-		ON153/04	T9-NPGW-All	98.76 %	7600 µg/L
	Water	Dichlorobenzene, 1,4-		ON153/04	T9-NPGW-All	96.7 %	8 µg/L
	Water	Dichlorodifluoromethane		ON153/04	T9-NPGW-All	69.67 %	3500 µg/L
	Water	Dichloroethane, 1,1-		ON153/04	T9-NPGW-All	110.29 %	320 µg/L
	Water	Dichloroethane, 1,2-		ON153/04	T9-NPGW-All	110.78 %	1.6 µg/L
	Water	Dichloroethylene, 1,1-		ON153/04	T9-NPGW-All	104.88 %	1.6 µg/L
	Water	Dichloroethylene, cis-1,2-		ON153/04	T9-NPGW-All	114.42 %	1.6 µg/L
	Water	Dichloroethylene, trans-1,2-		ON153/04	T9-NPGW-All	112.39 %	1.6 µg/L
	Water	Dichloromethane		ON153/04	T9-NPGW-All	113.24 %	610 µg/L
	Water	Dichloropropane, 1,2-		ON153/04	T9-NPGW-All	106.85 %	16 µg/L
	Water	Ethylbenzene		ON153/04	T9-NPGW-All	99.75 %	1800 µg/L
	Water	Hexane, n-		ON153/04	T9-NPGW-All	71.81 %	51 µg/L
	Water	Methyl ethyl ketone [MEK]		ON153/04	T9-NPGW-All	98.27 %	470000 µg/L
	Water	Methyl isobutyl ketone [MIBK]		ON153/04	T9-NPGW-All	99.96 %	140000 µg/L
	Water	Methyl-tert-butyl ether [MTBE]		ON153/04	T9-NPGW-All	95.18 %	190 µg/L
	Water	Styrene		ON153/04	T9-NPGW-All	103.27 %	1300 µg/L
	Water	Tetrachloroethane, 1,1,1,2-		ON153/04	T9-NPGW-All	113.09 %	3.4 µg/L
	Water	Tetrachloroethane, 1,1,2,2-		ON153/04	T9-NPGW-All	104.88 %	3.2 µg/L
	Water	Tetrachloroethylene		ON153/04	T9-NPGW-All	109.63 %	1.6 µg/L
	Water	Toluene		ON153/04	T9-NPGW-All	99.75 %	14000 µg/L
	Water	Trichloroethane, 1,1,1-		ON153/04	T9-NPGW-All	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-All	110.53 %	67000 µg/L
	Water	Bromoform		ON153/04	T9-NPGW-All	104.1 %	380 µg/L
	Water	Bromomethane		ON153/04	T9-NPGW-All	84.39 %	5.6 µg/L
	Water	Carbon tetrachloride		ON153/04	T9-NPGW-All	120.36 %	0.79 µg/L
	Water	Chlorobenzene		ON153/04	T9-NPGW-All	107.67 %	500 µg/L
	Water	Chloroform		ON153/04	T9-NPGW-All	116.82 %	2.4 µg/L
	Water	Dibromochloromethane		ON153/04	T9-NPGW-All	115.61 %	65000 µg/L
	Water	Dibromoethane, 1,2-		ON153/04	T9-NPGW-All	98.81 %	0.25 µg/L
	Water	Dichlorobenzene, 1,2-		ON153/04	T9-NPGW-All	98.95 %	4600 µg/L
	Water	Dichlorobenzene, 1,3-		ON153/04	T9-NPGW-All	100.42 %	7600 µg/L
	Water	Dichlorobenzene, 1,4-		ON153/04	T9-NPGW-All	97.88 %	8 µg/L
	Water	Dichlorodifluoromethane		ON153/04	T9-NPGW-All	76.29 %	3500 µg/L
	Water	Dichloroethane, 1,1-		ON153/04	T9-NPGW-All	94.46 %	320 µg/L
	Water	Dichloroethane, 1,2-		ON153/04	T9-NPGW-All	104.7 %	1.6 µg/L
	Water	Dichloroethylene, 1,1-		ON153/04	T9-NPGW-All	107.92 %	1.6 µg/L
	Water	Dichloroethylene, cis-1,2-		ON153/04	T9-NPGW-All	113.37 %	1.6 µg/L
	Water	Dichloroethylene, trans-1,2-		ON153/04	T9-NPGW-All	114.19 %	1.6 µg/L
	Water	Dichloromethane		ON153/04	T9-NPGW-All	110.69 %	610 µg/L
	Water	Dichloropropane, 1,2-		ON153/04	T9-NPGW-All	104.03 %	16 µg/L
	Water	Ethylbenzene		ON153/04	T9-NPGW-All	100.96 %	1800 µg/L
	Water	Hexane, n-		ON153/04	T9-NPGW-All	61.04 %	51 µg/L
	Water	Methyl ethyl ketone [MEK]		ON153/04	T9-NPGW-All	86.67 %	470000 µg/L
	Water	Methyl isobutyl ketone [MIBK]		ON153/04	T9-NPGW-All	87.35 %	140000 µg/L
	Water	Methyl-tert-butyl ether [MTBE]		ON153/04	T9-NPGW-All	95.06 %	190 µg/L
	Water	Styrene		ON153/04	T9-NPGW-All	101.23 %	1300 µg/L
	Water	Tetrachloroethane, 1,1,1,2-		ON153/04	T9-NPGW-All	111.15 %	3.4 µg/L
	Water	Tetrachloroethane, 1,1,2,2-		ON153/04	T9-NPGW-All	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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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
					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

Analyte	CAS Number	Method/Lab	Unit	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	----
					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	----
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	Ontario Regulation 153/04 - April 15, 2011 Standards (JUL, 2011)
T3-NPGW-C-All	153 T3-Non-Potable Ground Water-All Types of Property Uses (Coarse)
T3-NPGW-F-All	153 T3-Non-Potable Ground Water-All Types of Property Uses (Fine)
T9-NPGW-All	153 T9-Non-Potable Ground Water-All Types of Property Use

ALS Canada Ltd.

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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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**

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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**

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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**

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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	✓

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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	✓

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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	✓

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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	✓

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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	✓

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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**

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Analyte Group : Analytical Method / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
Physical Tests : 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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 / Container / Client Sample ID(s)	Method	Sampling Date	Extraction / Preparation				Analysis			
			Preparation Date	Holding Times Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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	✓

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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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 Rec	Holding Times Actual	Eval	Analysis Date	Holding Times Rec	Holding Times Actual	Eval
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			Count		Frequency (%)		
Analytical Methods	*Method*	*QC Lot #*	*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)							

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 um), 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 um), 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.

Preparation Methods	Method / Lab	Matrix	Method Reference	Method Descriptions
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.

ALS Canada Ltd.

QUALITY CONTROL REPORT

Work Order	: **WT2505933**	Page	: 1 of 22
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	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 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)											

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**

Analyte	CAS Number	Method	LOR	Unit	Laboratory Control Sample (LCS) Report				
					Spike	Recovery (%)	Recovery Limits (%)		
					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 (%)		
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 (%)		
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**

					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**

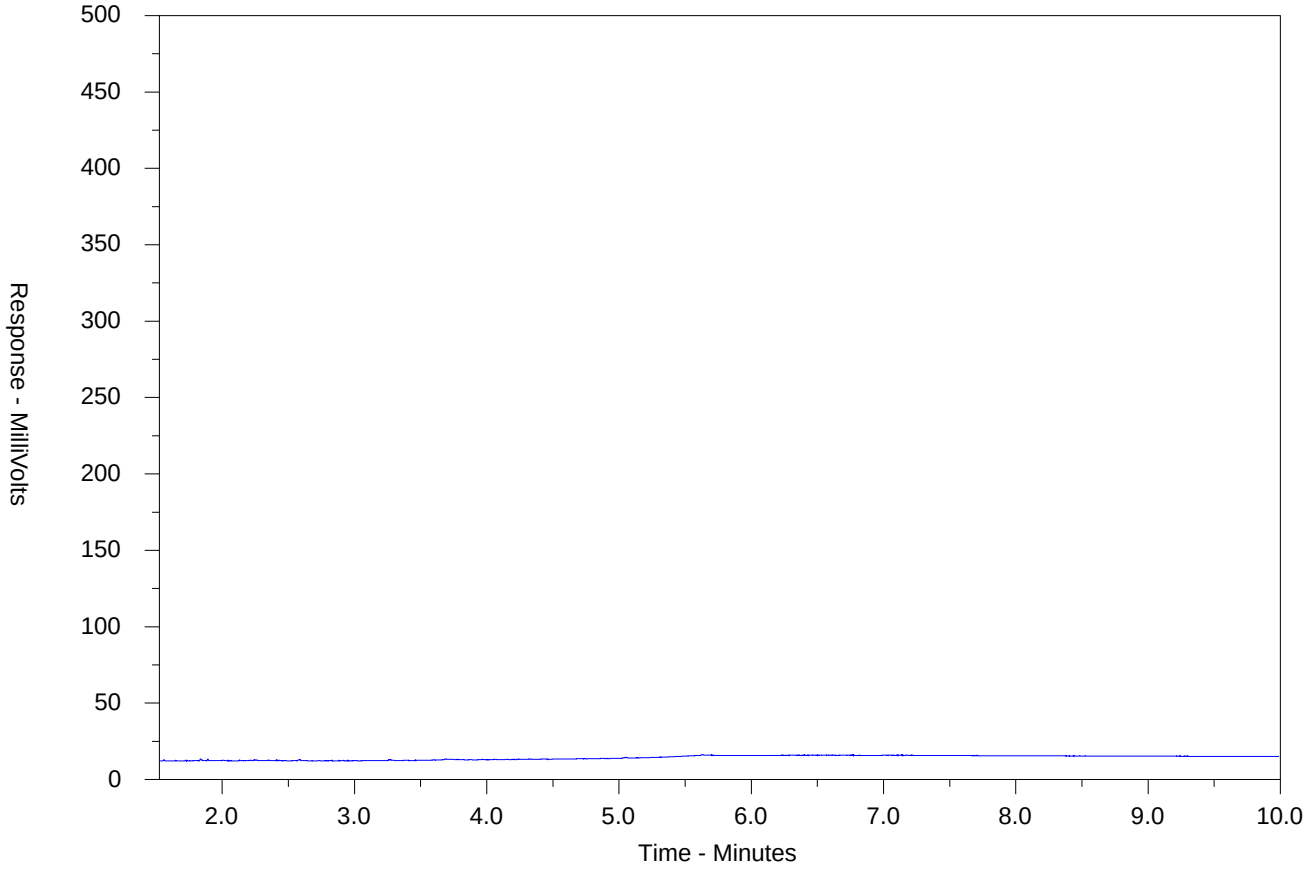
					Matrix Spike (MS) Report					
					Spike		Recovery (%)	Recovery Limits (%)		
Laboratory sample ID	Client sample ID	Analyte	CAS Number	Method	Concentration	Target	MS	Low	High	Qualifier
Volatile Organic Compounds (QCLot: 1922713) - continued										
WT2505784-001	Anonymous	Dibromochloromethane	124-48-1	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.

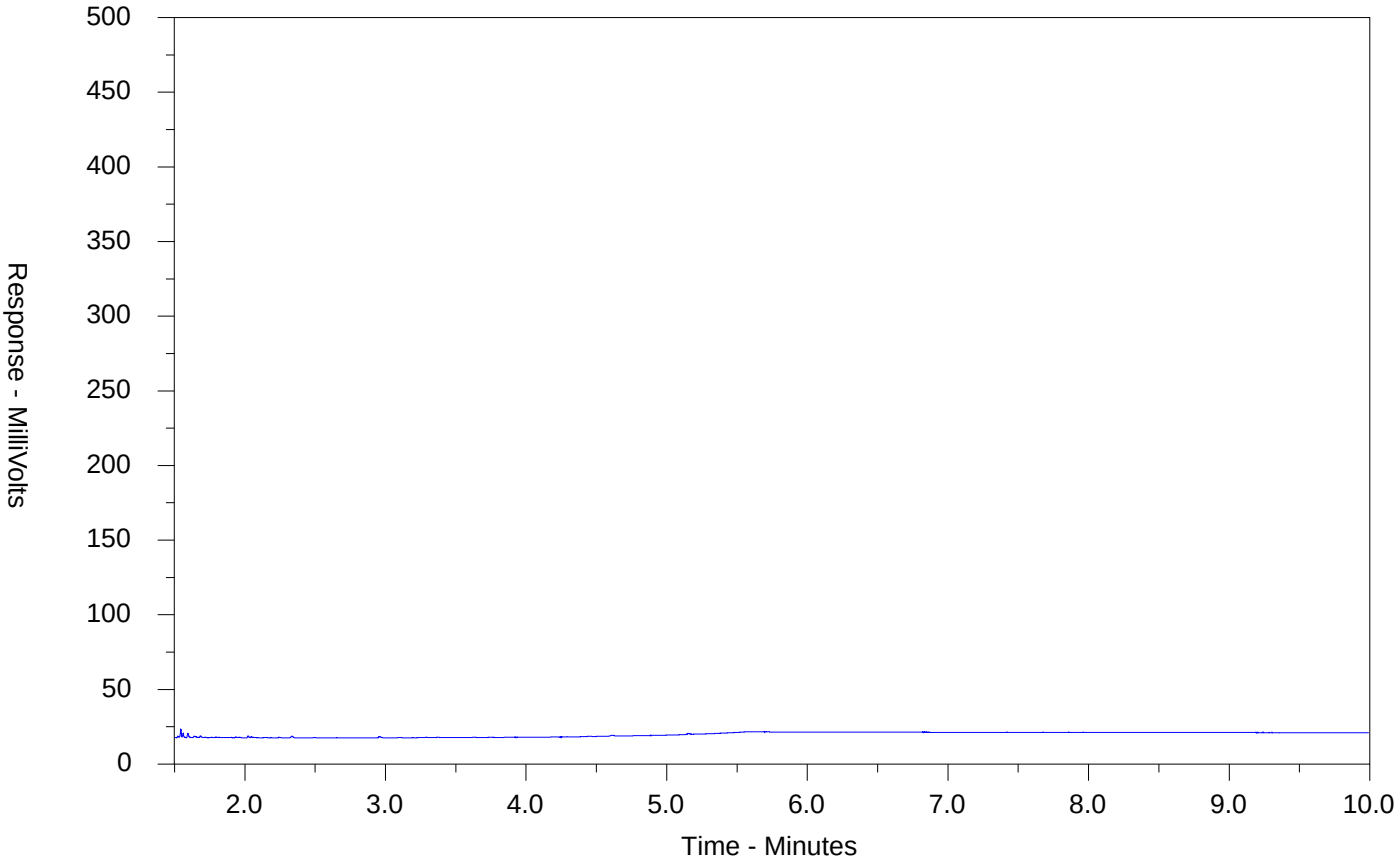
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

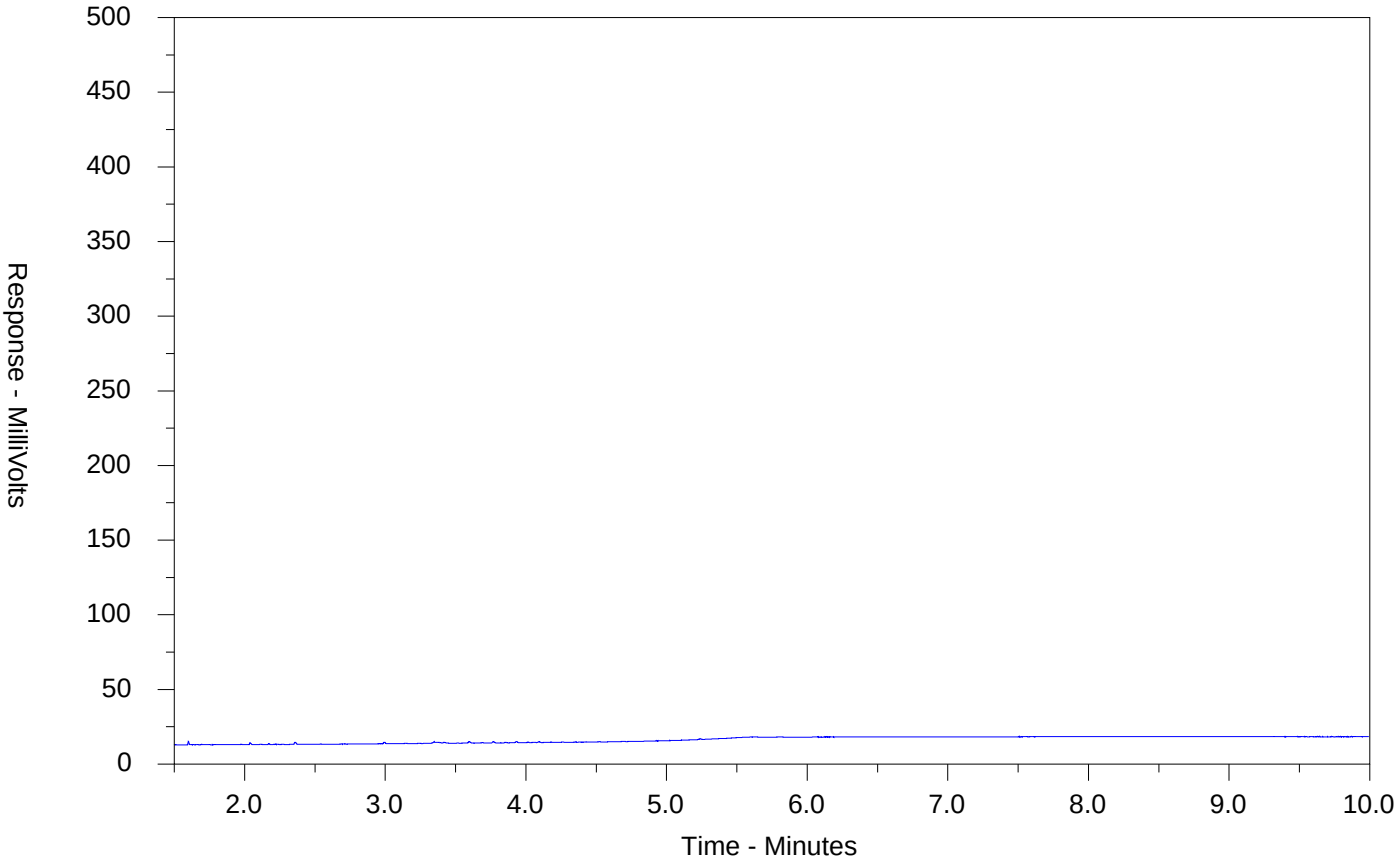
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

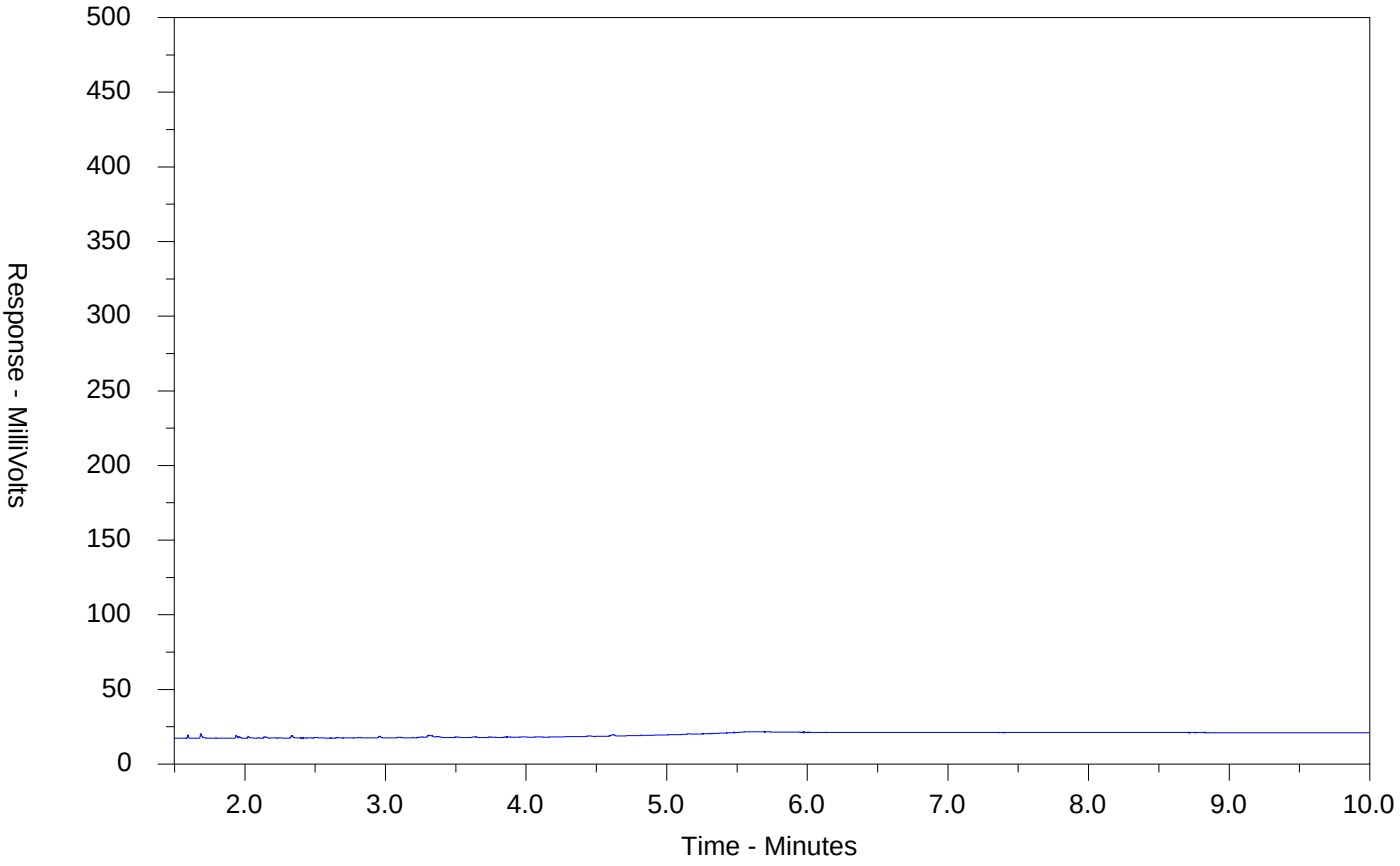
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

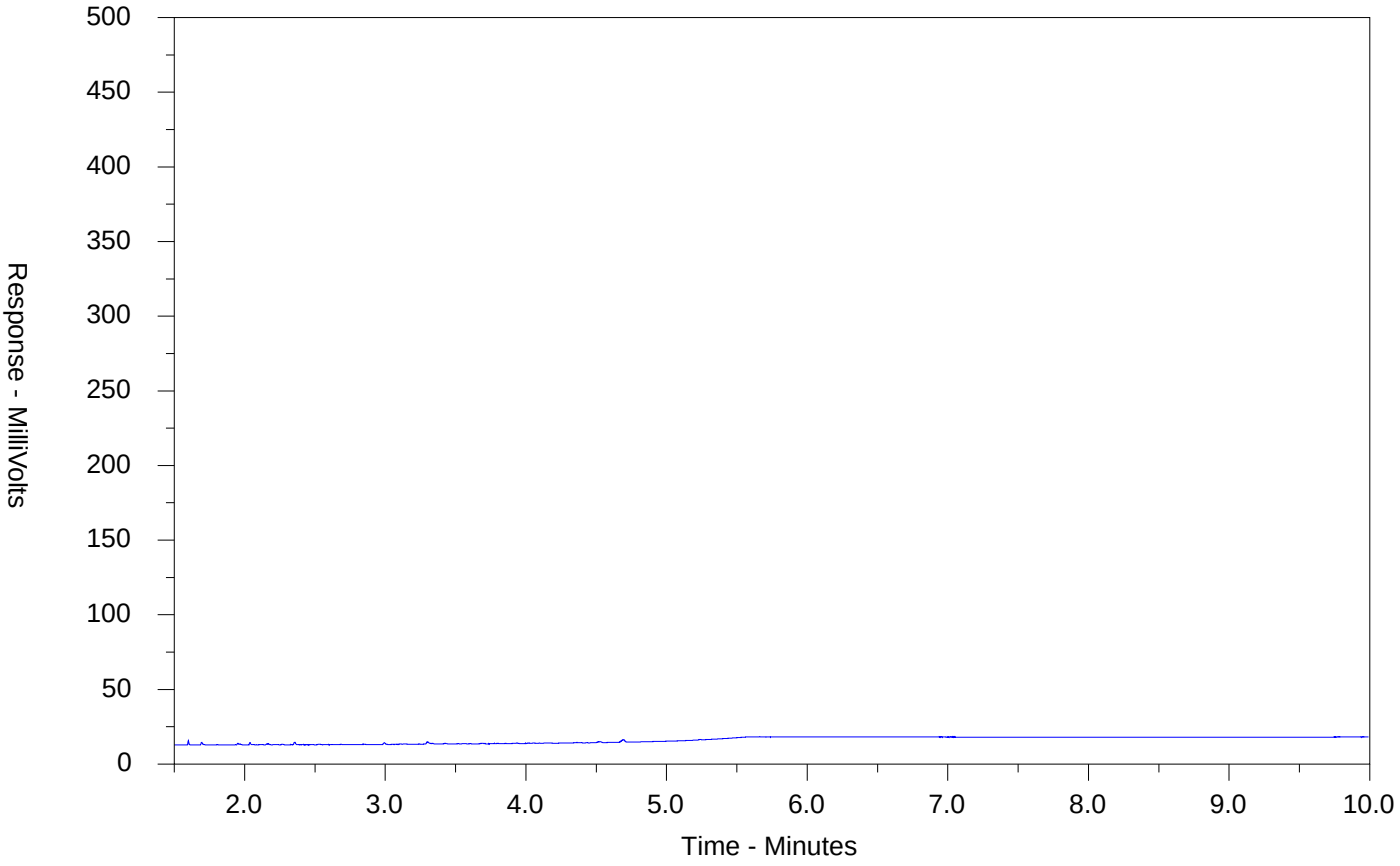
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

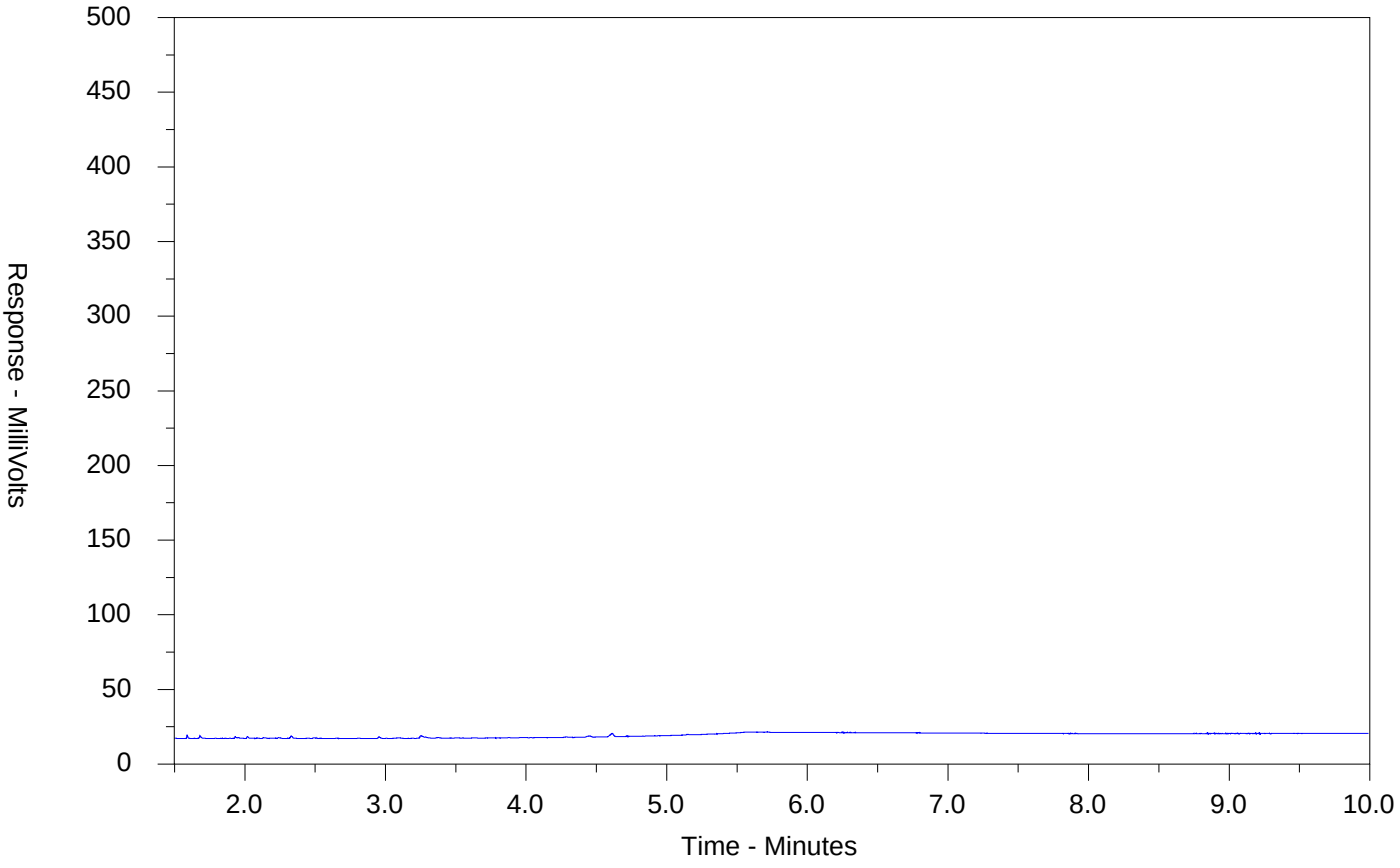
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

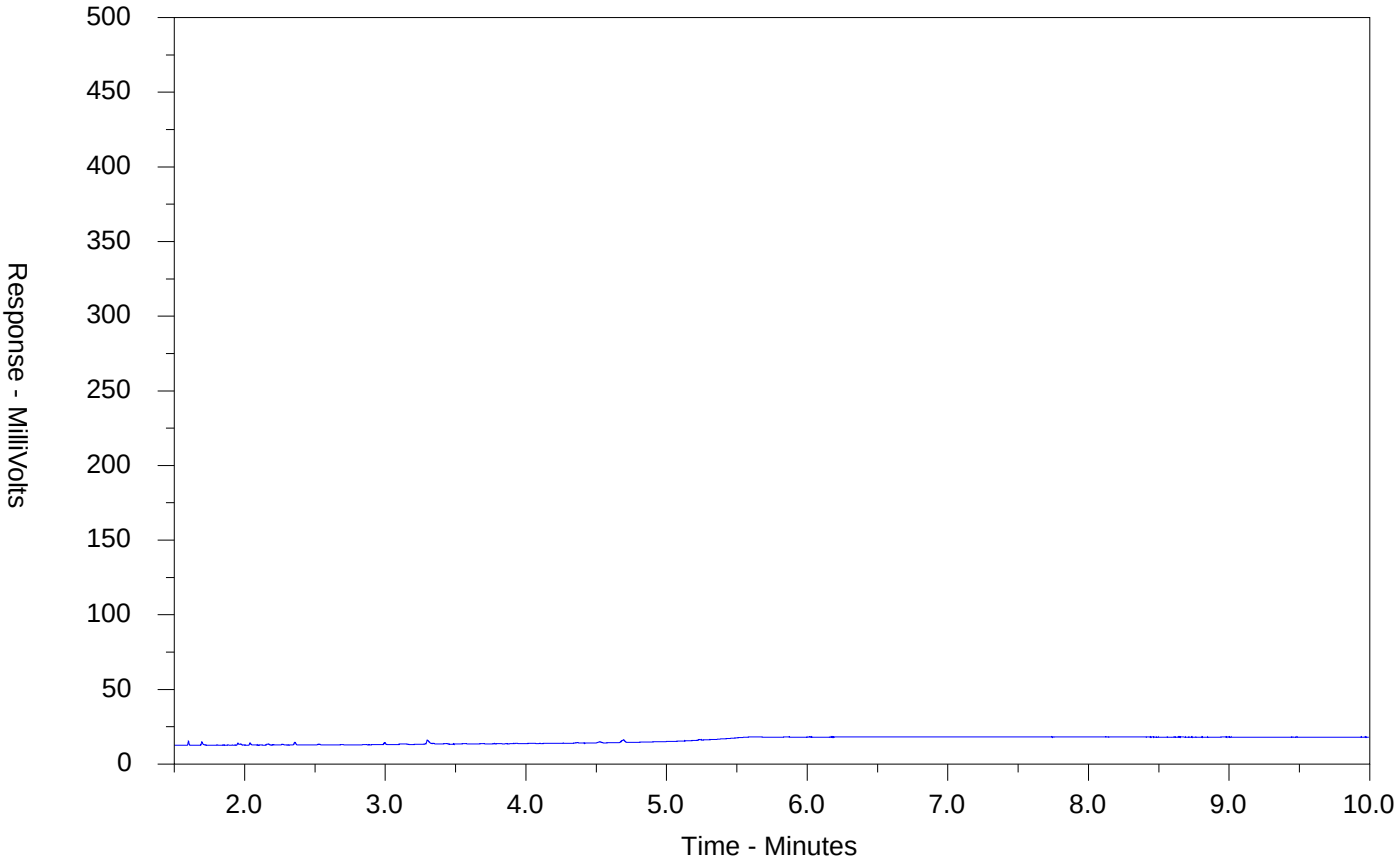
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

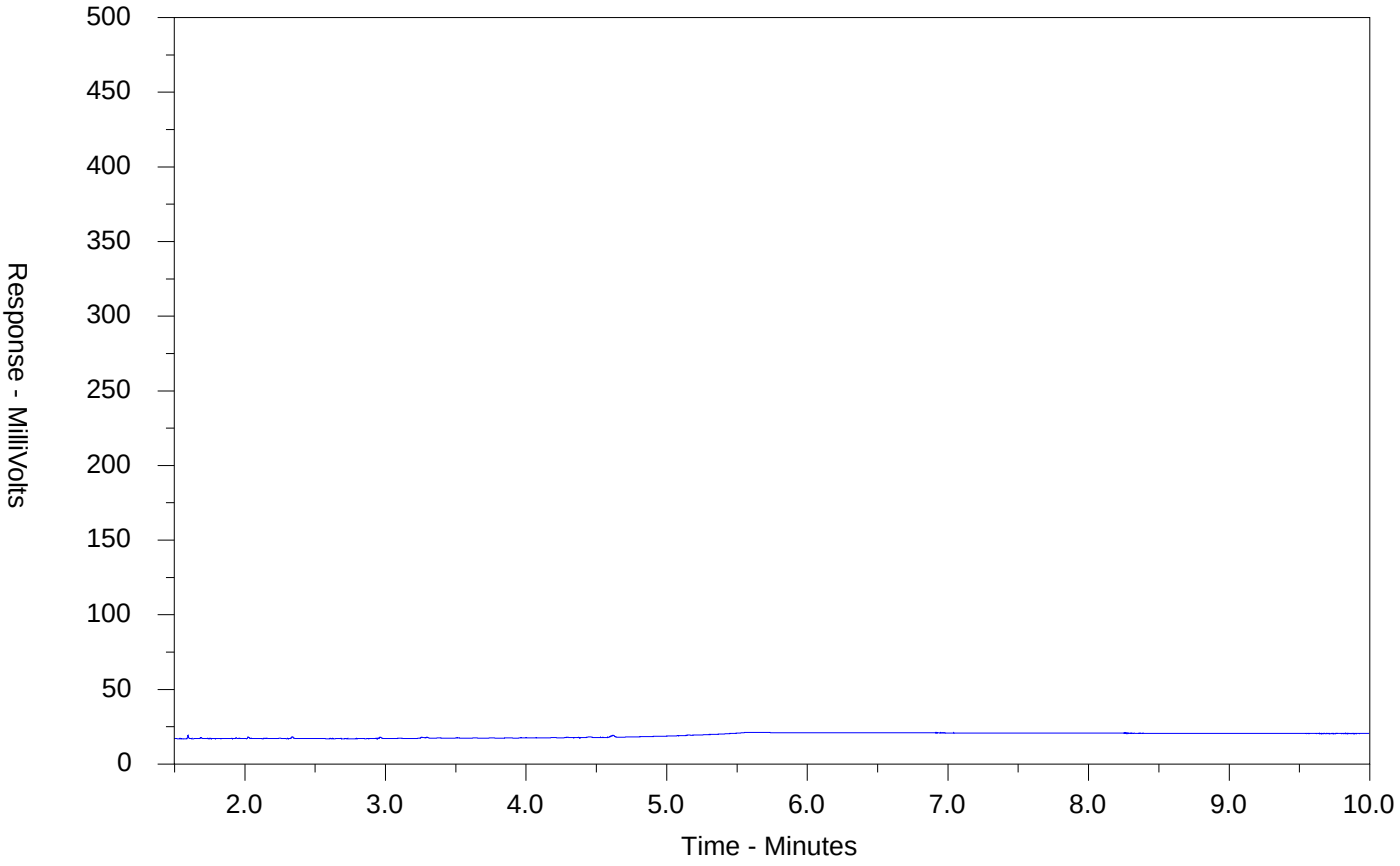
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

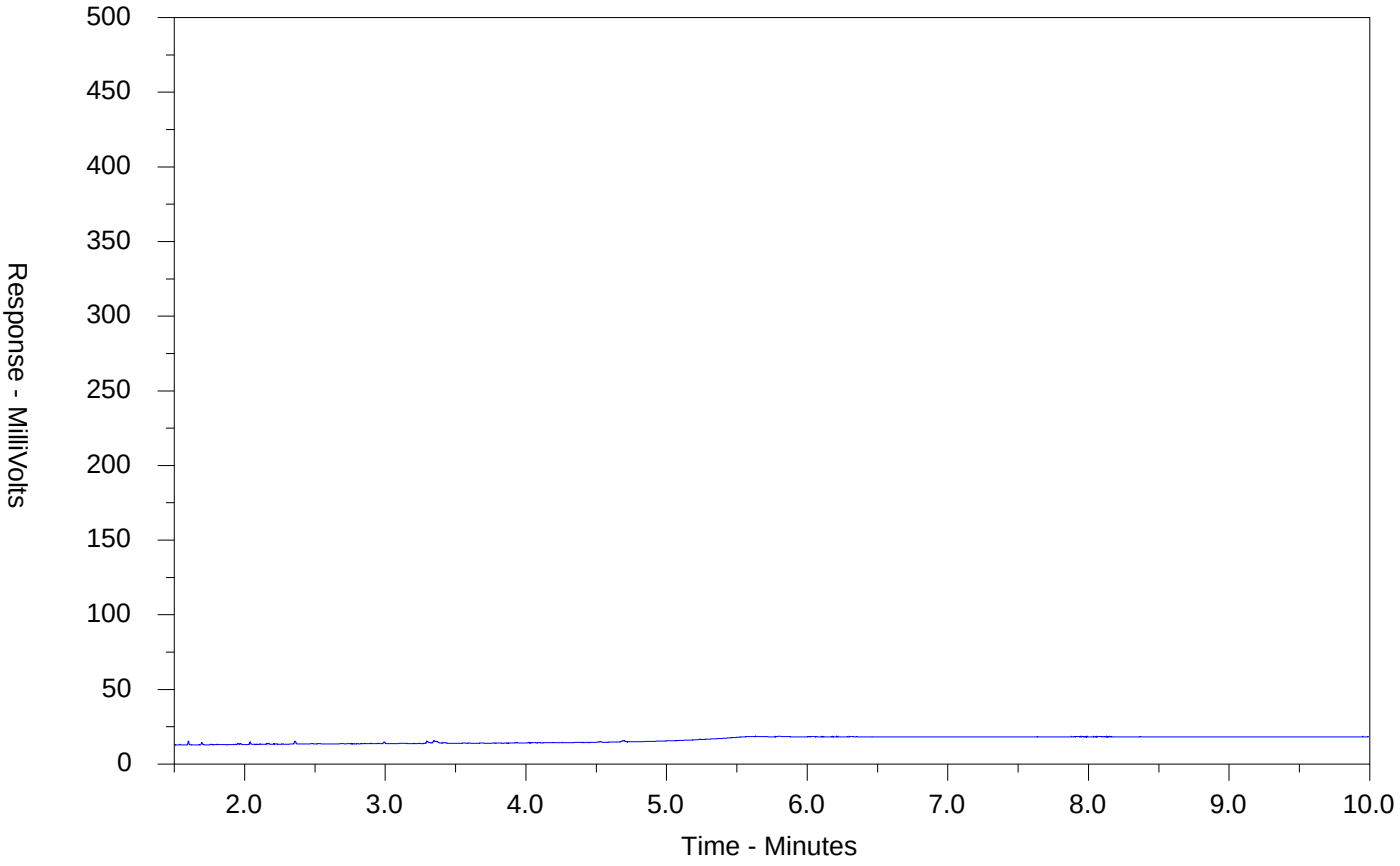
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

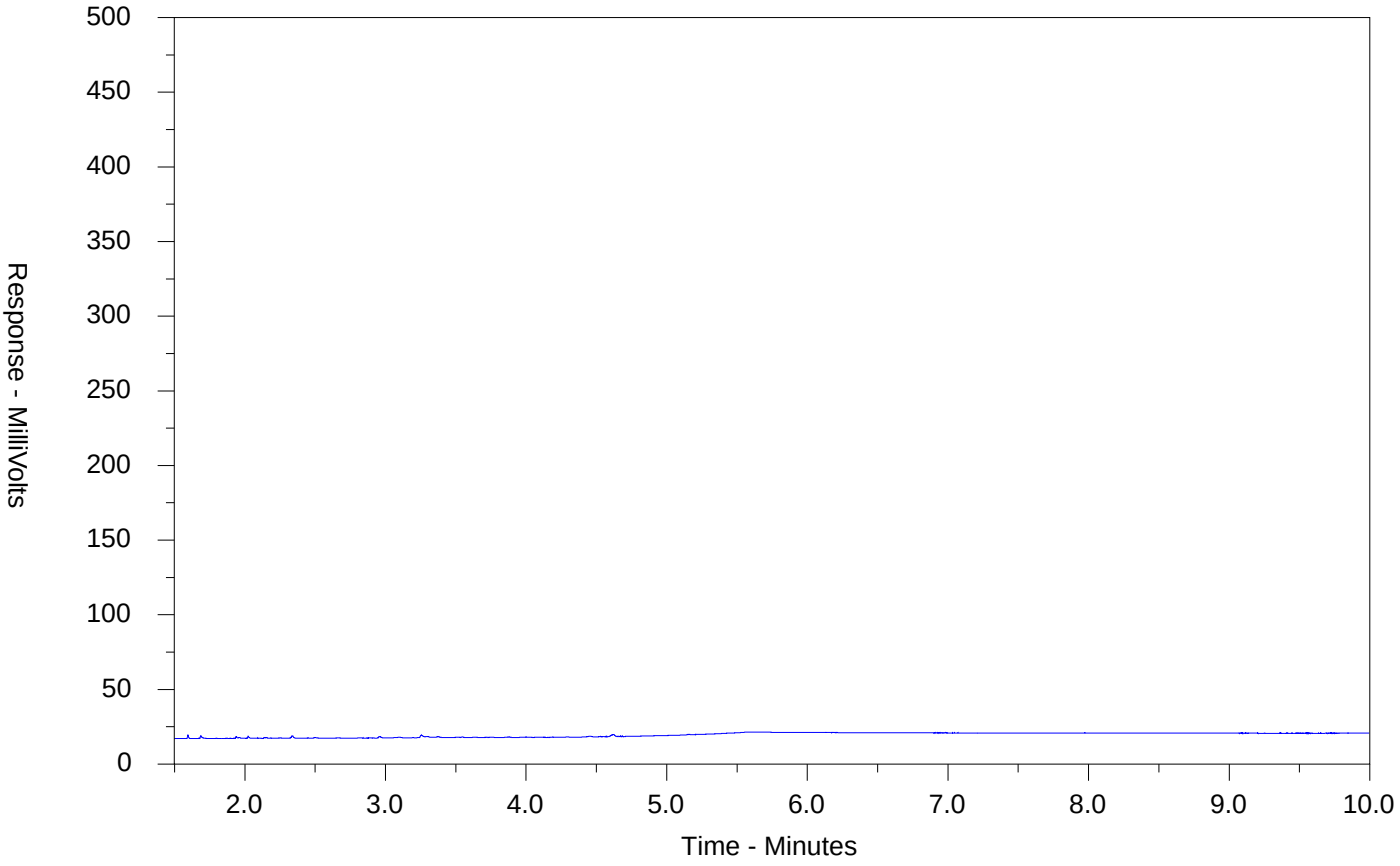
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

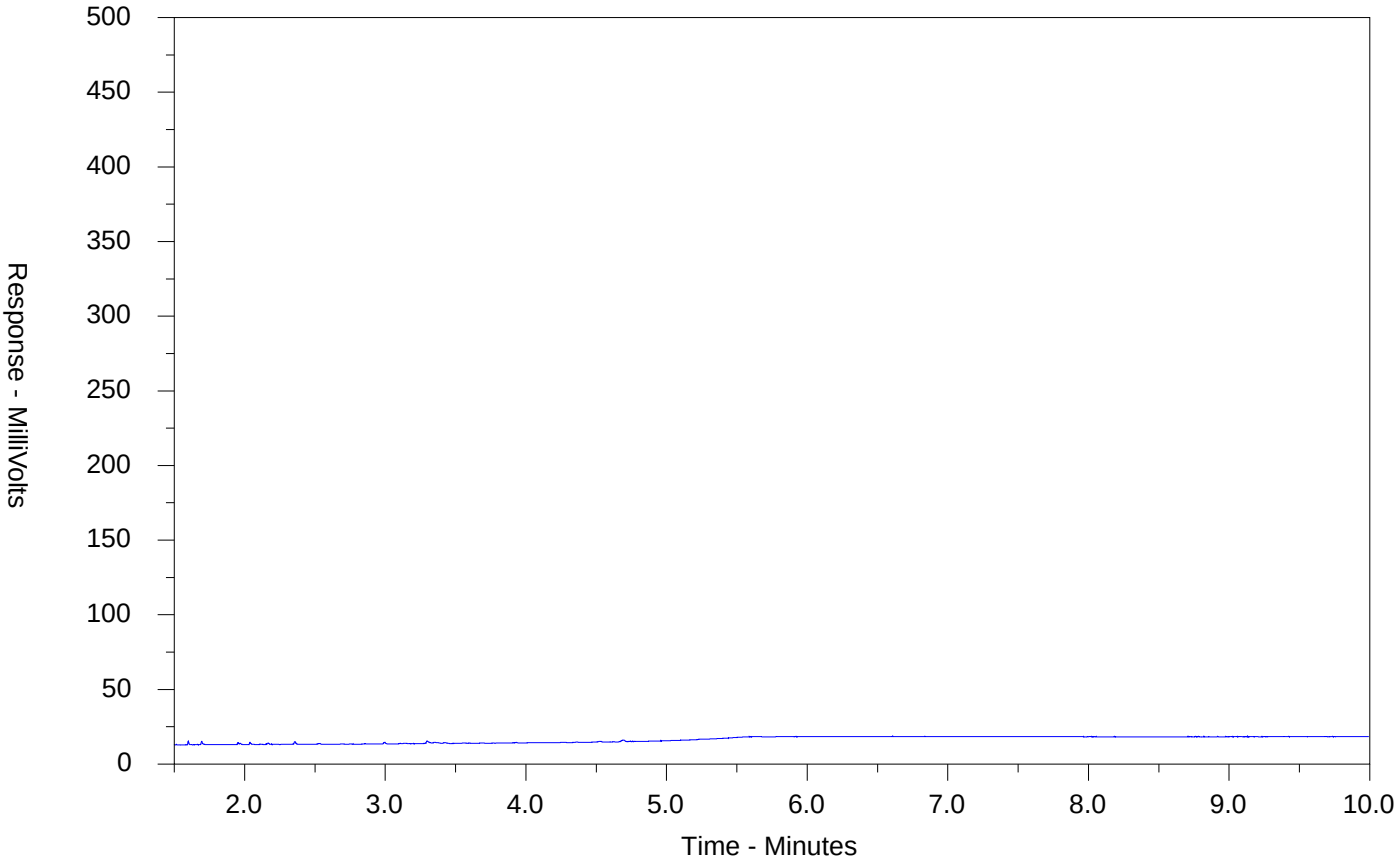
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

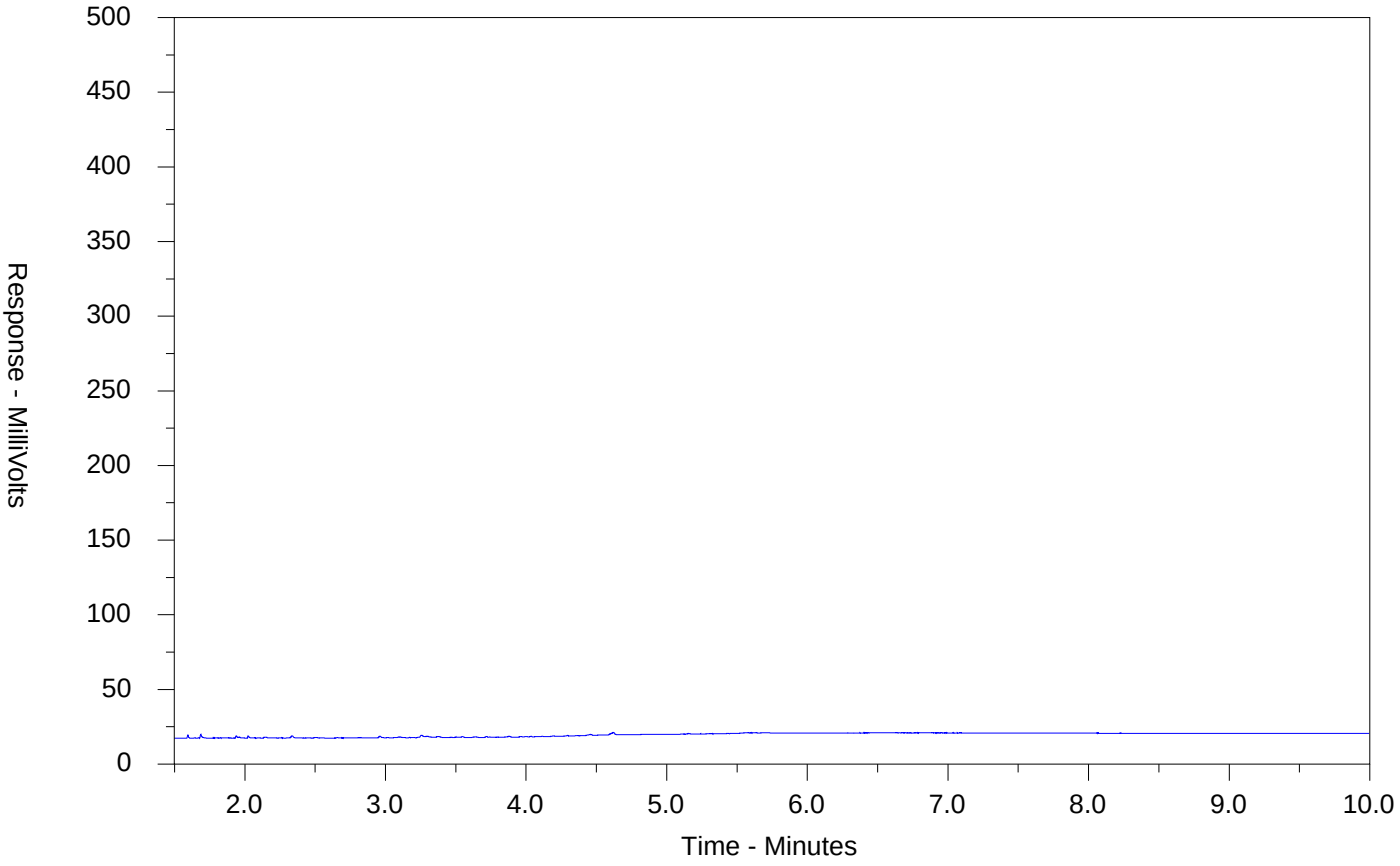
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

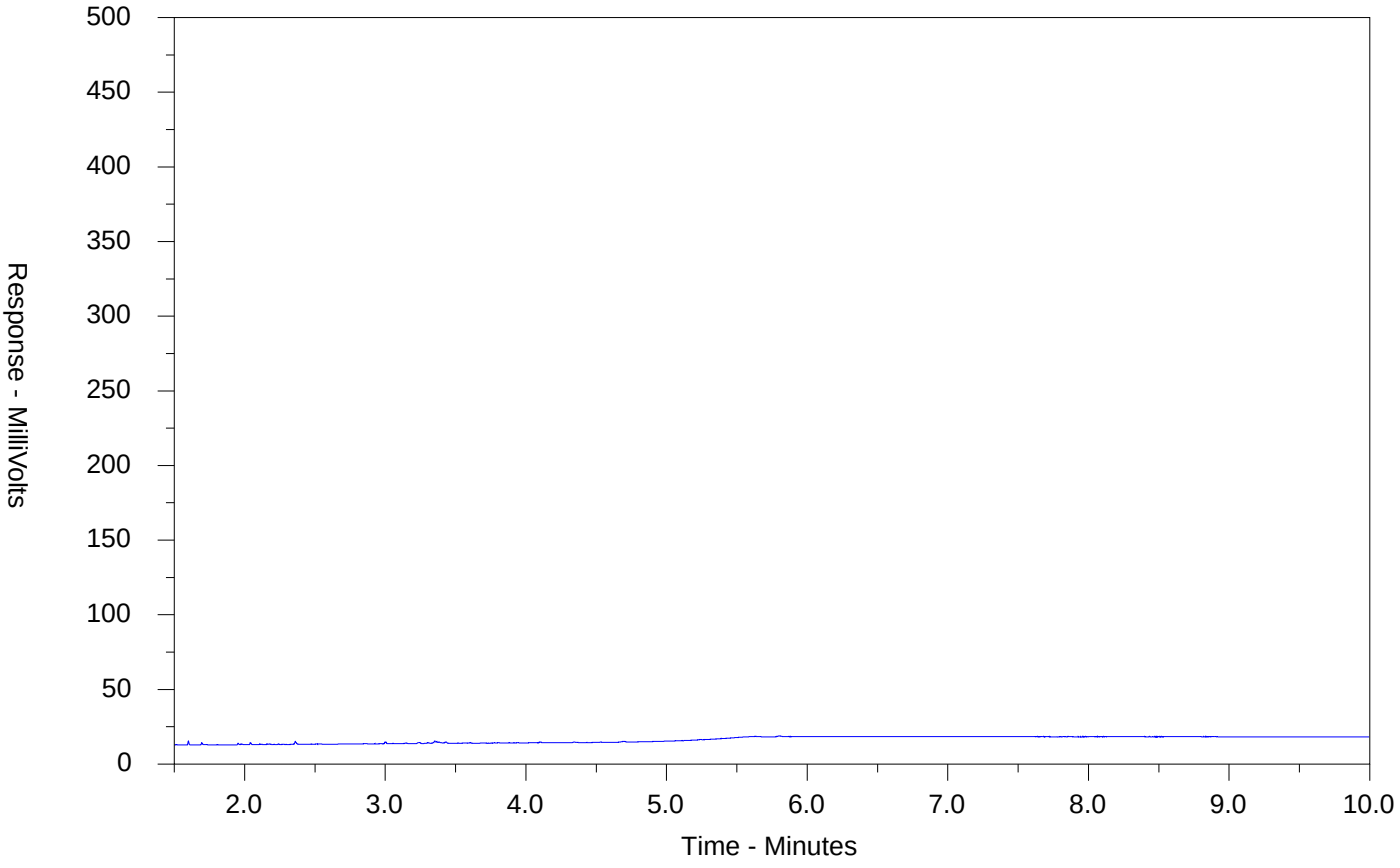
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

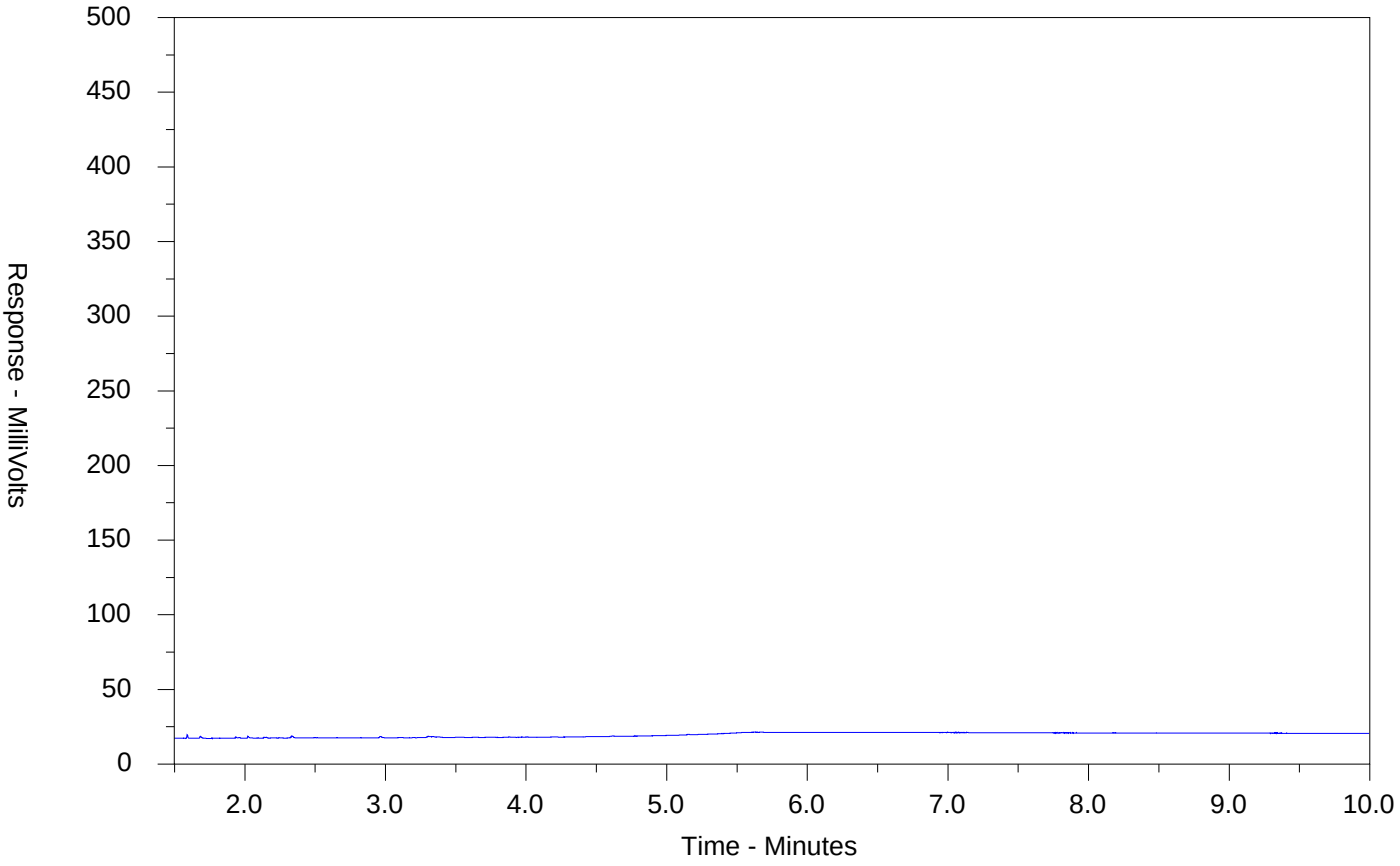
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

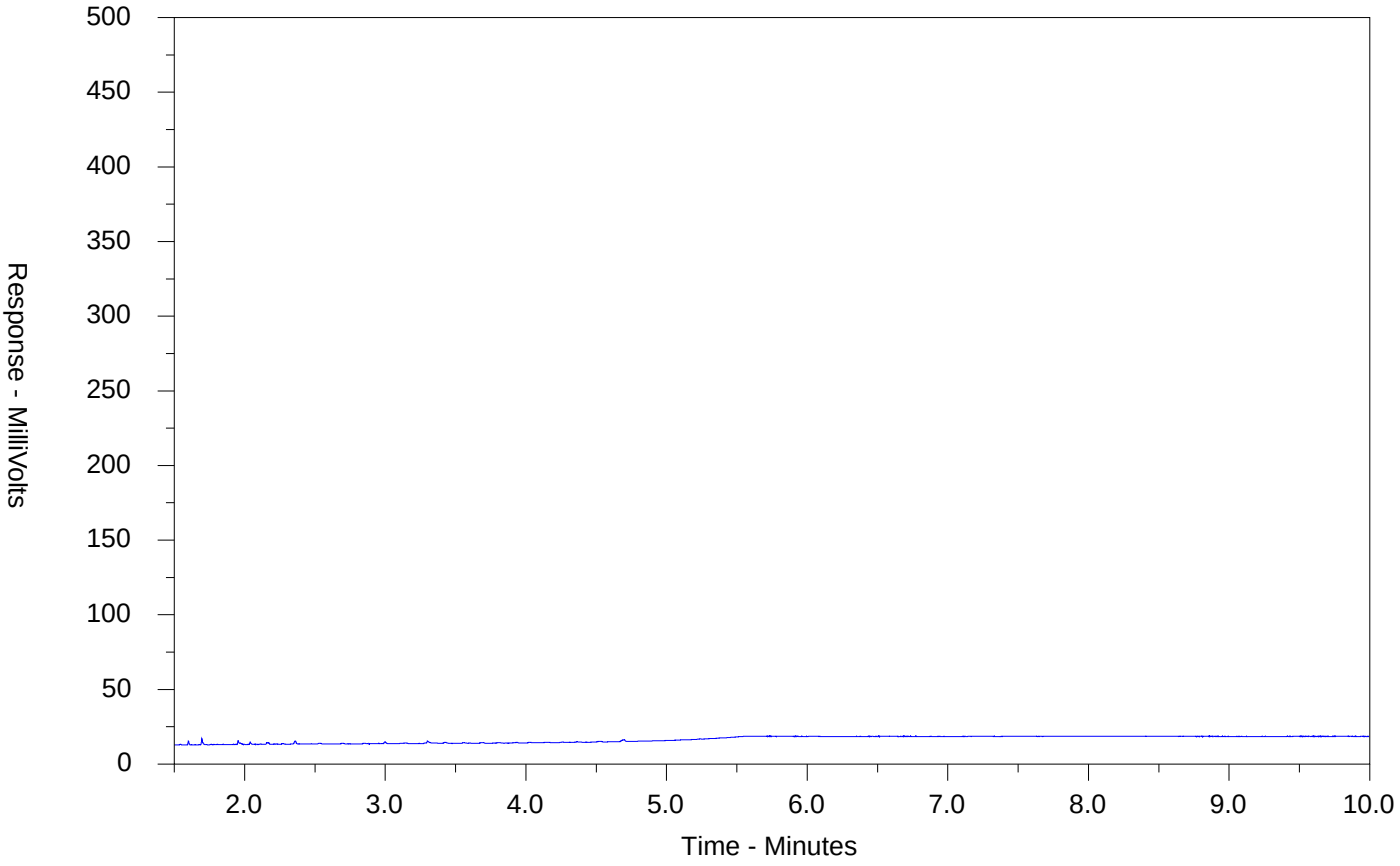
The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

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.

MTB UW-286 SS-188 CN-716 MM-712 GR-194/195 GC-705

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Numbe

Environmental Division Waterloo

Work Order Reference WT2505933

Report To	Contact and company name below will appear on the final report
Company:	WSP Canada Inc.
Contact:	Cindy McKee
Phone:	519-735-2499
	Company address below will appear on the final report
Street:	11865 County Road 42
City/Province:	Tecumseh, ON
Postal Code:	N8N 0H1
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☐ YES ☐ NO
Company:	WSP Canada Inc.
Contact:	Cindy McKee

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: capayablesinvoice@wsp.com

Select Service Level Below - Contact your

Regular [R] ☑ Standard TAT if receive

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Bu… | Same… | (Lab…

Date and Time Required for all E&P TATs:

For tests that can not be performed according to the servic…

An…

Telephone: +1 519 886 6910

Project Information

ALS Account # / Quote #:

Job #: CA0046126.8978

PO / AFE: P112898CA001

LSD:

Oil and Gas Required Fields (client use)

AFE/Cost Center: | PO#

Major/Minor Code: | Routing Code:

Requisitioner:

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-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	PHC F1-F4/VOCs	VOC / PHC F1	Metals and Inorganics	PAHs	PCBs	SVOCs	SAMPLES ON HOL…	SUSPECTED HAZARD (see Special Instructions)
	MW1	19-Mar-25	12:30	GW	9	R		R	R				
	MW2		13:05	GW	9	R		R	R				
	MW3		13:45	GW	9	R		R	R				
	MW4		14:15	GW	9	R		R	R				
	MW5	19-Mar-25	14:45	GW	9	R		R	R				
	MW6	20-Mar-25	08:15	GW	9	R		R	R				
	MW7		04:15	GW	9	R		R	R				
	MW8	~~19-Mar-25~~	08:40	GW	9	R		R	R				
	MW9	19-Mar-25	11:40	GW	9	R		R	R				
	MW10		11:05	GW	11	R		R	R	R			
	MW11		10:20	GW	11	R		R	R	R			
	MW12		09:35	GW	9	R		R	R				

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☐ NO

Are samples for human consumption/ use? ☐ YES ☐ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Compare to Table 3 SCS for RPI and fine/medium textured soil - RSC Property

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ Ice Cubes ☒ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C				FINAL COOLER TEMPERATURES °C			
7.9	5.8	4.7		2.9	3.6	1.9	

SHIPMENT RELEASE (client use)

Released by: | Date: March 20/25 | Time: 10:30

INITIAL SHIPMENT RECEPTION (lab use only)

Received by: | Date: 2025/03/21 | Time: 13:45

FINAL SHIPMENT RECEPTION (lab use only)

Received by: | Date: 3-21-25 | Time: 17:45

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

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

Chain of Custody (COC) / Analytical Request Form

www.alsglobal.com

Canada Toll Free: 1 800 668 9878

Affix ALS barcode label here (lab use only)

COC Number: LON -

Report To	Contact and company name below will appear on the final report
Company:	WSP Canada Inc.
Contact:	Cindy McKee
Phone:	519-735-2499
	Company address below will appear on the final report
Street:	11865 County Road 42
City/Province:	Tecumseh, ON
Postal Code:	N8N 0H1
Invoice To	Same as Report To ☑ YES ☐ NO
	Copy of Invoice with Report ☐ YES ☐ NO
Company:	WSP Canada Inc.
Contact:	Cindy McKee

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	capayablesinvoice@wsp.com

Project Information	
ALS Account # / Quote #:	
Job #:	CA0046126.8978
PO / AFE:	P112898CA001
LSD:	

Oil and Gas Required Fields (client use)	
AFE/Cost Center:	PO#
Major/Minor Code:	Routing Code:
Requisitioner:	
Location:	

ALS Lab Work Order # (lab use only): **ALS Contact:** **Sampler:** DS

Select Service Level Below - Contact your AM to confirm all E&P TATs (surcharges may apply)

Regular [R] ☑ Standard TAT if received by 3 pm - business days - no surcharges apply

PRIORITY (Business Days): 4 day [P4-20%] ☐ | 3 day [P3-25%] ☐ | 2 day [P2-50%] ☐

EMERGENCY: 1 Business day [E - 100%] ☐ | Same Day, Weekend or Statutory holiday [E2 -200%] (Laboratory opening fees may apply)] ☐

Date and Time Required for all E&P TATs: dd-mmm-yy hh:mm

For tests that can not be performed according to the service level selected, you will be contacted.

Analysis Request

ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	NUMBER OF CONTAINERS	PHC F1-F4/VOCs	VOC / PHC F1	Metals and Inorganics	PAHs	PCBs	SVOCs	SAMPLES ON HOLD	SUSPECTED HAZARD (see Special Instructions)
	MW13	19-Mar-25	09:00	GW	9	R		R	R				
	DUPW-WD1	"	"	GW	9	R		R	R				
	DUPW-WD2	"	"	GW	9	R		R	R				
	Field Blank 1	"	"	GW	2		R						
	Trip Blank 1	"	"	GW	2		R						
	Trip Spike 1	"	"	GW	2		R						
	Field Blank 2	20-Mar-25	"	GW	2		R						
	Trip Blank 2	"	"	GW	2		R						
	Trip Spike 2	"	"	GW	2		R						

Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below

Drinking Water (DW) Samples[1] (client use)

Are samples taken from a Regulated DW System? ☐ YES ☐ NO

Are samples for human consumption/ use? ☐ YES ☐ NO

Special Instructions / Specify Criteria to add on report by clicking on the drop-down list below (electronic COC only)

Compare to Table 3 SCS for RPI and fine/medium textured soil - RSC Property

SAMPLE CONDITION AS RECEIVED (lab use only)

Frozen ☐ | SIF Observations Yes ☐ No ☐

Ice Packs ☐ | Ice Cubes ☒ | Custody seal intact Yes ☐ No ☐

Cooling Initiated ☐

INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C		
7.9	5.8	4.7	2.9	2.6	1.9

SHIPMENT RELEASE (client use)

Released by:	Date:	Time:
	March 20/25	16:30

INITIAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:
	2025/03/21	13:45

FINAL SHIPMENT RECEPTION (lab use only)

Received by:	Date:	Time:
	3-21-25	17:45

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

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Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

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

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Hamilton, ON L8H 7P4
1-800-749-1947
www.paracellabs.com

Certificate of Analysis

WSP Canada Inc. (Windsor)
11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P115261CA001
Project: CA0046126.8978.4000
Custody:

Report Date: 30-May-2025
Order Date: 27-May-2025

Revised Report

Order #: 2522213

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

Paracel ID	Client ID
2522213-01	BH14 SA1
2522213-02	TP1N SA1
2522213-03	TP3N SA1
2522213-04	TP5N SA1
2522213-05	TP1W SA1
2522213-06	TP3W SA1
2522213-07	TP5W SA1
2522213-08	TP1S SA1
2522213-11	TP1E SA1
2522213-12	TP3E SA1
2522213-13	TP5E SA1
2522213-14	DUPR-1

Approved By:



Mark Foto, M.Sc.
Laboratory Director

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Conductivity	MOE E3138 - probe @25 °C, water ext	28-May-25	28-May-25
pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	28-May-25	28-May-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	28-May-25	28-May-25
Solids, %	CWS Tier 1 - Gravimetric	28-May-25	28-May-25

	Client ID:	BH14 SA1	TP1N SA1	TP3N SA1	TP5N SA1	-	-
	Sample Date:	27-May-25 08:35	27-May-25 10:25	27-May-25 10:35	27-May-25 10:45		
	Sample ID:	2522213-01	2522213-02	2522213-03	2522213-04		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	93.2	77.1	78.4	80.2	-	-
General Inorganics							
Conductivity	5 uS/cm	-	736	531	512	-	-
pH	0.05 pH Units	-	11.15	11.12	10.85	-	-
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	80.5%	-	-	-	-	-

		Client ID:	BH14 SA1	TP1N SA1	TP3N SA1	TP5N SA1		
		Sample Date:	27-May-25 08:35	27-May-25 10:25	27-May-25 10:35	27-May-25 10:45	-	-
		Sample ID:	2522213-01	2522213-02	2522213-03	2522213-04		
		Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units							
Semi-Volatiles								
Terphenyl-d14	Surrogate		76.6%	-	-	-	-	-

Certificate of Analysis

Report Date: 30-May-2025

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

Order Date: 27-May-2025

Client PO: **P115261CA001**

Project Description: CA0046126.8978.4000

	Client ID:	TP1W SA1	TP3W SA1	TP5W SA1	TP1S SA1	-	-
	Sample Date:	27-May-25 10:55	27-May-25 11:10	27-May-25 11:20	27-May-25 11:35		
	Sample ID:	2522213-05	2522213-06	2522213-07	2522213-08		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	75.4	78.1	80.5	83.8	-	-
General Inorganics							
Conductivity	5 uS/cm	732	563	527	400	-	-
pH	0.05 pH Units	11.52	10.53	10.06	8.79	-	-

Certificate of Analysis

Report Date: 30-May-2025

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

Order Date: 27-May-2025

Client PO: **P115261CA001**

Project Description: CA0046126.8978.4000

	Client ID:	TP1E SA1	TP3E SA1	TP5E SA1	DUPR-1	-	-
	Sample Date:	27-May-25 12:20	27-May-25 12:35	27-May-25 12:50	27-May-25 00:00		
	Sample ID:	2522213-11	2522213-12	2522213-13	2522213-14		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	78.8	77.7	84.9	76.3	-	-
General Inorganics							
Conductivity	5 uS/cm	278	-	-	774	-	-
pH	0.05 pH Units	11.12	11.60	7.92	11.04	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
Conductivity	ND	5	uS/cm					
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					
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	*1.05*		*%*	*78.9*	*50-140*			
Surrogate: Terphenyl-d14	*0.926*		*%*	*69.4*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Conductivity	737	5	uS/cm	736			0.2	5	
pH	7.56	0.05	pH Units	7.61			0.7	2.3	
Physical Characteristics									
% Solids	93.7	0.1	% by Wt.	93.2			0.6	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	*1.55*		*%*		*91.9*	*50-140*			
Surrogate: Terphenyl-d14	*1.49*		*%*		*87.9*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Semi-Volatiles									
Acenaphthene	0.164	0.02	ug/g	ND	77.7	50-140			
Acenaphthylene	0.170	0.02	ug/g	ND	80.4	50-140			
Anthracene	0.167	0.02	ug/g	ND	79.1	50-140			
Benzo [a] anthracene	0.173	0.02	ug/g	ND	81.9	50-140			
Benzo [a] pyrene	0.155	0.02	ug/g	ND	73.4	50-140			
Benzo [b] fluoranthene	0.175	0.02	ug/g	ND	82.8	50-140			
Benzo [g,h,i] perylene	0.167	0.02	ug/g	ND	79.1	50-140			
Benzo [k] fluoranthene	0.190	0.02	ug/g	ND	89.9	50-140			
Chrysene	0.169	0.02	ug/g	ND	80.0	50-140			
Dibenzo [a,h] anthracene	0.179	0.02	ug/g	ND	84.5	50-140			
Fluoranthene	0.186	0.02	ug/g	ND	88.0	50-140			
Fluorene	0.167	0.02	ug/g	ND	78.9	50-140			
Indeno [1,2,3-cd] pyrene	0.164	0.02	ug/g	ND	77.8	50-140			
1-Methylnaphthalene	0.186	0.02	ug/g	ND	88.0	50-140			
2-Methylnaphthalene	0.154	0.02	ug/g	ND	72.7	50-140			
Naphthalene	0.155	0.01	ug/g	ND	73.1	50-140			
Phenanthrene	0.176	0.02	ug/g	ND	83.5	50-140			
Pyrene	0.182	0.02	ug/g	ND	86.1	50-140			
Surrogate: 2-Fluorobiphenyl	*0.996*		*%*		*58.9*	*50-140*			
Surrogate: Terphenyl-d14	*1.13*		*%*		*66.7*	*50-140*			

Qualifier Notes:

Sample Data Revisions:

None

Work Order Revisions / Comments:

Revision - 1: This report has been revised to contain additional data for samples 3, 4, 6, 7, 12 and 13.

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 unlesss 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 liabilty 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.

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Paracel ID: 2522213

Chain of Custody
(Lab Use Only)

Page 1 of 2

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.4000	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 # P115261CA001		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	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: 2522213

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	HOLD					
1	BH14 SA1	S		2	May 27/25	0835	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2	TP1N SA1	S		1		1025	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
3	TP3N SA1	S		1		1035	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
4	TP5N SA1	S		1		1045	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
5	TP1W SA1	S		1		1055	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
6	TP3W SA1	S		1		1110	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
7	TP5W SA1	S		1		1120	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
8	TP1S SA1	S		1		1135	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
9	TP3S SA1	S		1		1145	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
10	TP5S SA1	S		1		1200	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐

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: May 27/25 13:20	Date/Time: May 28 1000	Date/Time: May 27/25 14:30
Date/Time: May 27/25	Temperature: 21.6 °C	Temperature: 6.4 °C	pH Verified [ ] By:

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Paracel ID: 2522213

Chain of Custody
(Lab Use Only)

Page 2 of 2

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.4000	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 # P115261CA001		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com derek.saliba@wsp.com	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: 2522213

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	HOLD					
1	TP1E SA1	S		1	May 27/25	12:20	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
2	TP3E SA1	S		1		12:35	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
3	TP5E SA1	S		1		12:50	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
4	DUP-1	S		1		/	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐	☐
5	DUP-2	S		1		/	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
6		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

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: May 27/25 13:20	Date/Time: May 28 1000	Date/Time: May 29/25 14:30
Date/Time:	Temperature: 21.6 °C	Temperature: 6.4 °C	pH Verified [ ] By:

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Certificate of Analysis

WSP Canada Inc. (Windsor)
11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P115261CA001
Project: CA0046126.8978.4000
Custody:

Report Date: 2-Jun-2025
Order Date: 28-May-2025

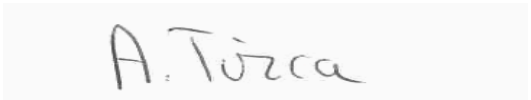
Revised Report

Order #: 2522355

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

Paracel ID	Client ID
2522355-01	R1-SA1
2522355-03	R1-SA3
2522355-07	R1-SA7
2522355-10	DUPR-4
2522355-13	R1-SA10
2522355-15	R1-SA12
2522355-17	R1-SA14
2522355-20	R1-SA17
2522355-24	R1-SA21
2522355-25	R1-SA22
2522355-27	R1-SA24
2522355-29	R1-SA26

Approved By:



Adriana Tirca, B.Eng (Chem)
Supervisor

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	2-Jun-25	2-Jun-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	29-May-25	29-May-25
Solids, %	CWS Tier 1 - Gravimetric	29-May-25	29-May-25

	Client ID:	R1-SA1	R1-SA3	R1-SA7	DUPR-4	-	-
	Sample Date:	28-May-25 09:25	28-May-25 09:35	28-May-25 09:55	28-May-25 00:00		
	Sample ID:	2522355-01	2522355-03	2522355-07	2522355-10		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	84.7	82.4	85.1	86.4	-	-
Metals							
Antimony	1.0 ug/g	-	<1.0	<1.0	-	-	-
Arsenic	1.0 ug/g	-	10.9	14.4	-	-	-
Barium	1.0 ug/g	-	126	84.5	-	-	-
Beryllium	0.5 ug/g	-	0.9	1.1	-	-	-
Boron	5.0 ug/g	-	10.1	16.1	-	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	-	-	-
Chromium	5.0 ug/g	-	30.0	28.3	-	-	-
Cobalt	1.0 ug/g	-	12.3	13.9	-	-	-
Copper	5.0 ug/g	-	17.6	26.5	-	-	-
Lead	1.0 ug/g	-	13.4	12.6	-	-	-
Molybdenum	1.0 ug/g	-	2.6	3.8	-	-	-
Nickel	5.0 ug/g	-	29.5	35.6	-	-	-
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	-	1.1	1.0	-	-	-
Vanadium	10.0 ug/g	-	49.0	50.6	-	-	-
Zinc	20.0 ug/g	-	80.9	65.5	-	-	-
Semi-Volatiles							
Acenaphthene	0.02 ug/g	0.04	<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	<0.02	<0.02	-	-

	Client ID:	R1-SA1	R1-SA3	R1-SA7	DUPR-4	-	-
	Sample Date:	28-May-25 09:25	28-May-25 09:35	28-May-25 09:55	28-May-25 00:00		
	Sample ID:	2522355-01	2522355-03	2522355-07	2522355-10		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
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	<0.02	<0.02	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluorene	0.02 ug/g	0.05	<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	3.50	<0.02	<0.02	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	7.44	<0.02	<0.02	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	10.9	<0.04	<0.04	<0.04	-	-
Naphthalene	0.01 ug/g	4.72	<0.01	<0.01	<0.01	-	-
Phenanthrene	0.02 ug/g	0.07	<0.02	<0.02	<0.02	-	-
Pyrene	0.02 ug/g	0.02	<0.02	<0.02	<0.02	-	-
2-Fluorobiphenyl	Surrogate	89.2%	88.5%	92.0%	79.3%	-	-
Terphenyl-d14	Surrogate	89.0%	83.2%	80.1%	76.1%	-	-

	Client ID:	R1-SA10	R1-SA12	R1-SA14	R1-SA17	-	-
	Sample Date:	28-May-25 11:35	28-May-25 11:45	28-May-25 11:55	28-May-25 13:00		
	Sample ID:	2522355-13	2522355-15	2522355-17	2522355-20		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	84.4	85.1	81.2	82.0	-	-
Metals							
Antimony	1.0 ug/g	<1.0	-	-	-	-	-
Arsenic	1.0 ug/g	13.2	-	-	-	-	-
Barium	1.0 ug/g	91.3	-	-	-	-	-
Beryllium	0.5 ug/g	0.9	-	-	-	-	-
Boron	5.0 ug/g	13.2	-	-	-	-	-
Cadmium	0.5 ug/g	<0.5	-	-	-	-	-
Chromium	5.0 ug/g	24.5	-	-	-	-	-
Cobalt	1.0 ug/g	12.7	-	-	-	-	-
Copper	5.0 ug/g	23.7	-	-	-	-	-
Lead	1.0 ug/g	12.2	-	-	-	-	-
Molybdenum	1.0 ug/g	3.2	-	-	-	-	-
Nickel	5.0 ug/g	32.1	-	-	-	-	-
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	43.8	-	-	-	-	-
Zinc	20.0 ug/g	53.6	-	-	-	-	-
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	<0.02	<0.02	-	-

	Client ID:	R1-SA10	R1-SA12	R1-SA14	R1-SA17	-	-
	Sample Date:	28-May-25 11:35	28-May-25 11:45	28-May-25 11:55	28-May-25 13:00		
	Sample ID:	2522355-13	2522355-15	2522355-17	2522355-20		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
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	<0.02	<0.02	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<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	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	0.89	<0.02	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	1.84	<0.02	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	2.73	<0.04	<0.04	-	-
Naphthalene	0.01 ug/g	<0.01	1.25	<0.01	<0.01	-	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
2-Fluorobiphenyl	Surrogate	85.3%	87.7%	102%	92.3%	-	-
Terphenyl-d14	Surrogate	80.2%	78.2%	92.6%	85.0%	-	-

	Client ID:	R1-SA21	R1-SA22	R1-SA24	R1-SA26	-	-
	Sample Date:	28-May-25 13:20	28-May-25 13:25	28-May-25 13:35	28-May-25 13:45		
	Sample ID:	2522355-24	2522355-25	2522355-27	2522355-29		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	82.9	82.8	84.0	83.1	-	-
Metals							
Antimony	1.0 ug/g	-	<1.0	<1.0	<1.0	-	-
Arsenic	1.0 ug/g	-	8.5	10.9	9.9	-	-
Barium	1.0 ug/g	-	95.9	99.4	101	-	-
Beryllium	0.5 ug/g	-	0.9	1.0	1.1	-	-
Boron	5.0 ug/g	-	11.1	10.2	7.5	-	-
Cadmium	0.5 ug/g	-	<0.5	<0.5	<0.5	-	-
Chromium	5.0 ug/g	-	27.3	28.3	30.7	-	-
Cobalt	1.0 ug/g	-	11.9	14.1	9.8	-	-
Copper	5.0 ug/g	-	18.1	24.2	21.5	-	-
Lead	1.0 ug/g	-	13.2	14.4	18.1	-	-
Molybdenum	1.0 ug/g	-	2.8	2.5	2.4	-	-
Nickel	5.0 ug/g	-	28.8	33.3	28.6	-	-
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	-	1.1	1.4	<1.0	-	-
Vanadium	10.0 ug/g	-	47.4	50.9	46.4	-	-
Zinc	20.0 ug/g	-	68.4	65.9	67.1	-	-
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	<0.02	<0.02	-	-

	Client ID:	R1-SA21	R1-SA22	R1-SA24	R1-SA26	-	-
	Sample Date:	28-May-25 13:20	28-May-25 13:25	28-May-25 13:35	28-May-25 13:45		
	Sample ID:	2522355-24	2522355-25	2522355-27	2522355-29		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Semi-Volatiles							
Benzo [a] pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Benzo [b] fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
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	<0.02	<0.02	<0.02	-	-
Dibenzo [a,h] anthracene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Fluoranthene	0.02 ug/g	<0.02	<0.02	<0.02	<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	<0.02	<0.02	-	-
1-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	0.05	<0.02	-	-
2-Methylnaphthalene	0.02 ug/g	<0.02	<0.02	0.11	<0.02	-	-
Methylnaphthalene (1&2)	0.04 ug/g	<0.04	<0.04	0.16	<0.04	-	-
Naphthalene	0.01 ug/g	<0.01	<0.01	0.07	<0.01	-	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
Pyrene	0.02 ug/g	<0.02	<0.02	<0.02	<0.02	-	-
2-Fluorobiphenyl	Surrogate	88.5%	95.7%	71.9%	90.0%	-	-
Terphenyl-d14	Surrogate	78.5%	84.1%	82.6%	84.7%	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
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	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					
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					
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					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
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	*1.33*		*%*	*99.8*	*50-140*			
Surrogate: Terphenyl-d14	*1.15*		*%*	*86.1*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	3.5	1.0	ug/g	3.4			2.2	30	
Barium	237	1.0	ug/g	221			7.0	30	
Beryllium	0.5	0.5	ug/g	ND			NC	30	
Boron	10.9	5.0	ug/g	9.1			18.3	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium	36.7	5.0	ug/g	34.8			5.4	30	
Cobalt	9.1	1.0	ug/g	8.5			5.9	30	
Copper	20.1	5.0	ug/g	19.2			4.6	30	
Lead	9.7	1.0	ug/g	9.4			3.9	30	
Molybdenum	ND	1.0	ug/g	ND			NC	30	
Nickel	23.9	5.0	ug/g	23.6			1.2	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	33.8	10.0	ug/g	31.6			6.7	30	
Zinc	53.4	20.0	ug/g	51.2			4.3	30	
Physical Characteristics									
% Solids	79.3	0.1	% by Wt.	78.4			1.1	25	
Semi-Volatiles									
Acenaphthene	0.037	0.02	ug/g	0.044			17.0	40	
Acenaphthylene	ND	0.02	ug/g	0.022			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	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Dibenzo [a,h] anthracene	ND	0.02	ug/g	ND			NC	40	
Fluoranthene	ND	0.02	ug/g	ND			NC	40	
Fluorene	0.040	0.02	ug/g	0.048			16.7	40	
Indeno [1,2,3-cd] pyrene	ND	0.02	ug/g	ND			NC	40	
1-Methylnaphthalene	3.23	0.40	ug/g	3.50			7.9	40	
2-Methylnaphthalene	7.31	0.40	ug/g	7.44			1.7	40	
Naphthalene	4.34	0.20	ug/g	4.72			8.3	40	
Phenanthrene	0.065	0.02	ug/g	0.069			6.9	40	
Pyrene	ND	0.02	ug/g	0.023			NC	40	
Surrogate: 2-Fluorobiphenyl	*1.39*		*%*		*88.1*	*50-140*			
Surrogate: Terphenyl-d14	*1.25*		*%*		*79.4*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	42.6	1.0	ug/g	ND	85.2	70-130			
Arsenic	49.0	1.0	ug/g	1.4	95.3	70-130			
Barium	130	1.0	ug/g	88.2	84.3	70-130			
Beryllium	48.8	0.5	ug/g	ND	97.2	70-130			
Boron	48.4	5.0	ug/g	ND	89.5	70-130			
Cadmium	45.9	0.5	ug/g	ND	91.8	70-130			
Chromium	66.3	5.0	ug/g	13.9	105	70-130			
Cobalt	50.7	1.0	ug/g	3.4	94.5	70-130			
Copper	52.5	5.0	ug/g	7.7	89.7	70-130			
Lead	48.9	1.0	ug/g	3.7	90.3	70-130			
Molybdenum	50.0	1.0	ug/g	ND	99.5	70-130			
Nickel	58.1	5.0	ug/g	9.5	97.3	70-130			
Selenium	47.9	1.0	ug/g	ND	95.6	70-130			
Silver	34.8	0.3	ug/g	ND	69.6	70-130			QM-07
Thallium	43.5	1.0	ug/g	ND	86.9	70-130			
Uranium	47.3	1.0	ug/g	ND	94.0	70-130			
Vanadium	64.2	10.0	ug/g	12.6	103	70-130			
Zinc	63.4	20.0	ug/g	20.5	85.8	70-130			
Semi-Volatiles									
Acenaphthene	0.125	0.02	ug/g	ND	74.8	50-140			
Acenaphthylene	0.130	0.02	ug/g	ND	78.2	50-140			
Anthracene	0.089	0.02	ug/g	ND	53.1	50-140			
Benzo [a] anthracene	0.117	0.02	ug/g	ND	70.0	50-140			
Benzo [a] pyrene	0.119	0.02	ug/g	ND	71.5	50-140			
Benzo [b] fluoranthene	0.109	0.02	ug/g	ND	65.1	50-140			
Benzo [g,h,i] perylene	0.138	0.02	ug/g	ND	82.9	50-140			
Benzo [k] fluoranthene	0.123	0.02	ug/g	ND	73.9	50-140			
Chrysene	0.125	0.02	ug/g	ND	75.2	50-140			
Dibenzo [a,h] anthracene	0.141	0.02	ug/g	ND	84.8	50-140			
Fluoranthene	0.143	0.02	ug/g	ND	85.6	50-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Fluorene	0.124	0.02	ug/g	ND	74.3	50-140			
Indeno [1,2,3-cd] pyrene	0.132	0.02	ug/g	ND	79.3	50-140			
1-Methylnaphthalene	0.107	0.02	ug/g	ND	64.0	50-140			
2-Methylnaphthalene	0.114	0.02	ug/g	ND	68.1	50-140			
Naphthalene	0.106	0.01	ug/g	ND	63.8	50-140			
Phenanthrene	0.130	0.02	ug/g	ND	78.1	50-140			
Pyrene	0.140	0.02	ug/g	ND	84.1	50-140			
Surrogate: 2-Fluorobiphenyl	*0.930*		*%*		*69.8*	*50-140*			
Surrogate: Terphenyl-d14	*1.07*		*%*		*80.2*	*50-140*			

Qualifier Notes:

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:

Revision - 1: This report has been revised to contain additional data to samples 3, 7, 13, 25 and 27.

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 unlesss 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 liabilty 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.

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Paracel ID: 2522355

Chain of Custody (Lab Use Only)

Page 1 of 4

Client Name: WSP Canada Inc.		Project Reference: CA0046126.8978.4000	
Contact Name: Cindy McKee		Quote #: 24-628	
Address: 11865 County Road 42, Tecumseh, Ontario, N8N 2M1		PO #: P115261CA001	
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)

Paracel Order Number: 2522355

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken: Date	Sample Taken: Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	HOLD					
1	R1-SA1	S		1	May 28/25	0925	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
2	R1-SA2	S		1		0930	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
3	R1-SA3	S		1		0935	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
4	R1-SA4	S		1		0940	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
5	R1-SA5	S		1		0945	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
6	R1-SA6	S		1		0950	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
7	R1-SA7	S		1		0955	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
8	R1-SA8	S		1		1000	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
9	DUP-3	S		1		/	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
10	DUP-4	S		1		/	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐

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: JM	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: May 28/25 14:35	Date/Time: May 29/25 955	Date/Time: May 28/25 15:30
Date/Time: May 28/25 1435	Temperature: 9.6 °C	Temperature: 11.5 °C 9.9	pH Verified [ ] By:

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Paracel ID: 2522355

Chain of Custody (Lab Use Only)

Page 1 of 4

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.4000	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 # P115261CA001		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com, derek.saliba@wsp.com	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)

Paracel Order Number: 2522355

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	HOLD					
1	~~RI-SA8~~ RI-SA16	S		1	May 28/25	1205	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
2	RI-SA9	S		1		1130	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
3	RI-SA10	S		1		1135	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
4	RI-SA11	S		1		1140	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
5	RI-SA12	S		1		1145	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
6	RI-SA13	S		1		1150	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
7	RI-SA14	S		1		1155	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
8	RI-SA15	S		1		1200	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
9	DUP-5	S		1		—	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
10	RI-SA17	S		1		1300	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐

Required Analyses

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:
Relinquished By (Print): Derek Saliba	Date/Time: May 28/25 14:35	Date/Time: May 29/25 9:55
Date/Time: May 28/25 14:35	Temperature: 9.6 °C	Temperature: 11.5 °C / 9.9

Verified By: K. Jakobsen
Date/Time: May 28/25 15:30
pH Verified [ ] By:

PARACEL LABORATORIES LTD. | TRUSTED. RESPONSIVE RELIABLE.

Paracel ID: 2522355

Chain of Custody (Lab Use Only)

Page 3 of 4

Client Name:	WSP Canada Inc.	Project Reference:	CA0046126.8978.4000
Contact Name:	Cindy McKee	Quote #	24-628
Address:	11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #	P115261CA001
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: 2522355

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	NaV.					
1	RI-SA18	S		1	May 28/25	1305	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
2	RI-SA19	S		1		1310	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
3	RI-SA20	S		1		1315	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
4	RI-SA21	S		1		1320	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
5	RI-SA22	S		1		1325	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
6	RI-SA23	S		1		1330	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
7	RI-SA24	S		1		1335	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
8	RI-SA25	S		1		1340	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
9	RI-SA26	S		1		1345	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
10	DUP-6	S		1	↓	↓	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐

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: JM	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: May 28/25 14:35	Date/Time: May 29/25 955	Date/Time: May 28/25 15:30
Date/Time: May 28/25 1435	Temperature: 9.6 °C	Temperature: 11.2 °C 9.9	pH Verified [ ] By:

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Paracel ID: 2522355

Chain of Custody (Lab Use Only)

Page 4 of 4

Client Name: WSP Canada Inc.	Project Reference: CA0046126.8978.4000	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 # P115261CA001	Date Required:	
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: 2522355

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	4/10/d					
1	DUP R-7	S		1	May 28/25	/	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
2	DUP R-8	S		1	May 28/25	/	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐	☐
3		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

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: JM	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: May 28/25 14:35	Date/Time: May 29/25 9:55	Date/Time: May 28/25 15:30
Date/Time: May 28/25 1435	Temperature: 9.6 °C	Temperature: 11.8 °C / 9.9	pH Verified [ ] By:

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Certificate of Analysis

WSP Canada Inc. (Windsor)
11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P115261CA001
Project: CA0046126.8978.4000
Custody:

Report Date: 4-Jun-2025
Order Date: 3-Jun-2025

Order #: 2523138

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

Paracel ID	Client ID
2523138-01	R1-SA27
2523138-03	R1-SA29

Approved By:

Mark Foto

Mark Foto, M.Sc.
Laboratory Director

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	4-Jun-25	4-Jun-25
Solids, %	CWS Tier 1 - Gravimetric	4-Jun-25	4-Jun-25

Certificate of Analysis

Report Date: 04-Jun-2025

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

Order Date: 3-Jun-2025

Client PO: **P115261CA001**

Project Description: **CA0046126.8978.4000**

	Client ID:	R1-SA27	R1-SA29	-	-	-	-
	Sample Date:	02-Jun-25 09:30	02-Jun-25 09:50	-	-		
	Sample ID:	2523138-01	2523138-03	-	-		
	Matrix:	Soil	Soil	-	-		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	85.0	82.1	-	-	-	-
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	0.35	0.23	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	0.52	0.42	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.87	0.65	-	-	-	-
Naphthalene	0.01 ug/g	0.39	0.47	-	-	-	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	-	-	-	-
Pyrene	0.02 ug/g	<0.02	<0.02	-	-	-	-
2-Fluorobiphenyl	Surrogate	99.9%	79.0%	-	-	-	-
Terphenyl-d14	Surrogate	86.3%	71.8%	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
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					
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	*1.11*		*%*	*83.0*	*50-140*			
Surrogate: Terphenyl-d14	*1.01*		*%*	*75.9*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Physical Characteristics									
% Solids	100	0.1	% by Wt.	100			0.0	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	*1.39*		*%*		*75.8*	*50-140*			
Surrogate: Terphenyl-d14	*1.42*		*%*		*77.5*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Semi-Volatiles									
Acenaphthene	0.120	0.02	ug/g	ND	72.1	50-140			
Acenaphthylene	0.116	0.02	ug/g	ND	69.5	50-140			
Anthracene	0.119	0.02	ug/g	ND	71.5	50-140			
Benzo [a] anthracene	0.111	0.02	ug/g	ND	66.5	50-140			
Benzo [a] pyrene	0.113	0.02	ug/g	ND	67.9	50-140			
Benzo [b] fluoranthene	0.119	0.02	ug/g	ND	71.5	50-140			
Benzo [g,h,i] perylene	0.136	0.02	ug/g	ND	81.7	50-140			
Benzo [k] fluoranthene	0.107	0.02	ug/g	ND	64.2	50-140			
Chrysene	0.122	0.02	ug/g	ND	72.9	50-140			
Dibenzo [a,h] anthracene	0.137	0.02	ug/g	ND	82.2	50-140			
Fluoranthene	0.125	0.02	ug/g	ND	75.3	50-140			
Fluorene	0.116	0.02	ug/g	ND	69.4	50-140			
Indeno [1,2,3-cd] pyrene	0.128	0.02	ug/g	ND	76.8	50-140			
1-Methylnaphthalene	0.124	0.02	ug/g	ND	74.1	50-140			
2-Methylnaphthalene	0.123	0.02	ug/g	ND	73.6	50-140			
Naphthalene	0.115	0.01	ug/g	ND	69.2	50-140			
Phenanthrene	0.127	0.02	ug/g	ND	75.9	50-140			
Pyrene	0.124	0.02	ug/g	ND	74.6	50-140			
Surrogate: 2-Fluorobiphenyl	*0.994*		*%*		*74.5*	*50-140*			
Surrogate: Terphenyl-d14	*1.02*		*%*		*76.5*	*50-140*			

Certificate of Analysis

Report Date: 04-Jun-2025

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

Order Date: 3-Jun-2025

Client PO: **P115261CA001**

Project Description: CA0046126.8978.4000

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 unlesss 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 liabilty 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.

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Paracel ID: 2523138

Chain of Custody
(Lab Use Only)

Page 1 of 1

Client Name:	WSP Canada Inc.	Project Reference:	CA0046126.8978, 4000
Contact Name:	Cindy McKee	Quote #	24-628
Address:	11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #	P115861CA0001
		Email Address:	cindy.mckee@wsp.com
Telephone:	519-735-2499		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)

Paracel Order Number: 2523138

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	EC & pH	Hold	TCLP M&I	TCLP VOCs	TCLP BaP	TCLP Ignitability
1	RI-SA27	S	/	1	June 2/25	0930	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2	RI-SA28	S	/	1	"	0940	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
3	RI-SA29	S	/	1	"	0950	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4	DUP-9	S	/	1	"	/	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
5							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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: LTJ	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: June 2/25 10:15	Date/Time: 04/06/2025 10:10	Date/Time: June 3/25 14:00
Date/Time: June 2/25 1015	Temperature: 21.0 °C	Temperature: 12.1 °C	pH Verified [ ] By:

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Certificate of Analysis

WSP Canada Inc. (Windsor)
11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P115261CA001
Project: CA0046126.8978.4000
Custody:

Report Date: 6-Jun-2025
Order Date: 3-Jun-2025

Revised Report

Order #: 2523138

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

Paracel ID	Client ID
2523138-01	R1-SA27
2523138-03	R1-SA29

Approved By:



Mark Foto, M.Sc.
Laboratory Director

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
REG 153: Metals by ICP/MS, soil	EPA 6020 - Digestion - ICP-MS	6-Jun-25	6-Jun-25
REG 153: PAHs by GC-MS	EPA 8270 - GC-MS, extraction	4-Jun-25	4-Jun-25
Solids, %	CWS Tier 1 - Gravimetric	4-Jun-25	4-Jun-25

Certificate of Analysis

Report Date: 06-Jun-2025

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

Order Date: 3-Jun-2025

Client PO: **P115261CA001**

Project Description: **CA0046126.8978.4000**

	Client ID:	R1-SA27	R1-SA29	-	-	-	-
	Sample Date:	02-Jun-25 09:30	02-Jun-25 09:50	-	-		
	Sample ID:	2523138-01	2523138-03	-	-		
	Matrix:	Soil	Soil	-	-		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	85.0	82.1	-	-	-	-
Metals							
Antimony	1.0 ug/g	<1.0	<1.0	-	-	-	-
Arsenic	1.0 ug/g	6.1	8.3	-	-	-	-
Barium	1.0 ug/g	185	163	-	-	-	-
Beryllium	0.5 ug/g	0.7	1.0	-	-	-	-
Boron	5.0 ug/g	15.6	16.6	-	-	-	-
Cadmium	0.5 ug/g	<0.5	<0.5	-	-	-	-
Chromium	5.0 ug/g	20.3	32.2	-	-	-	-
Cobalt	1.0 ug/g	8.2	11.7	-	-	-	-
Copper	5.0 ug/g	15.8	27.0	-	-	-	-
Lead	1.0 ug/g	14.0	24.6	-	-	-	-
Molybdenum	1.0 ug/g	2.2	3.1	-	-	-	-
Nickel	5.0 ug/g	21.3	32.4	-	-	-	-
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	1.1	1.3	-	-	-	-
Vanadium	10.0 ug/g	35.0	46.3	-	-	-	-
Zinc	20.0 ug/g	59.6	87.7	-	-	-	-
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	-	-	-	-

	Client ID:	R1-SA27	R1-SA29	-	-	-	-
	Sample Date:	02-Jun-25 09:30	02-Jun-25 09:50	-	-		
	Sample ID:	2523138-01	2523138-03	-	-		
	Matrix:	Soil	Soil	-	-		
	MDL/Units						
Semi-Volatiles							
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	0.35	0.23	-	-	-	-
2-Methylnaphthalene	0.02 ug/g	0.52	0.42	-	-	-	-
Methylnaphthalene (1&2)	0.04 ug/g	0.87	0.65	-	-	-	-
Naphthalene	0.01 ug/g	0.39	0.47	-	-	-	-
Phenanthrene	0.02 ug/g	<0.02	<0.02	-	-	-	-
Pyrene	0.02 ug/g	<0.02	<0.02	-	-	-	-
2-Fluorobiphenyl	Surrogate	99.9%	79.0%	-	-	-	-
Terphenyl-d14	Surrogate	86.3%	71.8%	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
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	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					
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					
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					

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
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	*1.11*		*%*	*83.0*	*50-140*			
Surrogate: Terphenyl-d14	*1.01*		*%*	*75.9*	*50-140*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	ND	1.0	ug/g	ND			NC	30	
Arsenic	3.9	1.0	ug/g	3.9			0.1	30	
Barium	127	1.0	ug/g	130			1.9	30	
Beryllium	0.6	0.5	ug/g	0.6			1.2	30	
Boron	8.5	5.0	ug/g	7.0			20.2	30	
Cadmium	ND	0.5	ug/g	ND			NC	30	
Chromium	36.6	5.0	ug/g	35.1			4.2	30	
Cobalt	10.0	1.0	ug/g	9.8			1.5	30	
Copper	24.0	5.0	ug/g	23.9			0.4	30	
Lead	25.2	1.0	ug/g	28.9			13.6	30	
Molybdenum	ND	1.0	ug/g	1.1			NC	30	
Nickel	22.3	5.0	ug/g	22.2			0.6	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	46.0	10.0	ug/g	42.7			7.4	30	
Zinc	71.8	20.0	ug/g	69.0			4.0	30	
Physical Characteristics									
% Solids	74.8	0.1	% by Wt.	75.9			1.4	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	

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
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	*1.39*		*%*		*75.8*	*50-140*			
Surrogate: Terphenyl-d14	*1.42*		*%*		*77.5*	*50-140*			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Metals									
Antimony	48.3	1.0	ug/g	ND	96.4	70-130			
Arsenic	56.3	1.0	ug/g	1.6	110	70-130			
Barium	106	1.0	ug/g	51.8	108	70-130			
Beryllium	58.7	0.5	ug/g	ND	117	70-130			
Boron	56.1	5.0	ug/g	ND	107	70-130			
Cadmium	51.9	0.5	ug/g	ND	104	70-130			
Chromium	72.3	5.0	ug/g	14.1	117	70-130			
Cobalt	60.7	1.0	ug/g	3.9	114	70-130			
Copper	63.6	5.0	ug/g	9.6	108	70-130			
Lead	62.5	1.0	ug/g	11.6	102	70-130			
Molybdenum	57.5	1.0	ug/g	ND	114	70-130			
Nickel	64.2	5.0	ug/g	8.9	111	70-130			
Selenium	58.5	1.0	ug/g	ND	117	70-130			
Silver	48.4	0.3	ug/g	ND	96.6	70-130			
Thallium	50.8	1.0	ug/g	ND	102	70-130			
Uranium	55.0	1.0	ug/g	ND	109	70-130			
Vanadium	76.3	10.0	ug/g	17.1	118	70-130			
Zinc	80.3	20.0	ug/g	27.6	105	70-130			
Semi-Volatiles									
Acenaphthene	0.174	0.02	ug/g	ND	76.0	50-140			
Acenaphthylene	0.168	0.02	ug/g	ND	73.4	50-140			
Anthracene	0.142	0.02	ug/g	ND	61.7	50-140			
Benzo [a] anthracene	0.177	0.02	ug/g	ND	77.3	50-140			
Benzo [a] pyrene	0.194	0.02	ug/g	ND	84.6	50-140			
Benzo [b] fluoranthene	0.194	0.02	ug/g	ND	84.6	50-140			
Benzo [g,h,i] perylene	0.220	0.02	ug/g	ND	95.8	50-140			
Benzo [k] fluoranthene	0.176	0.02	ug/g	ND	76.6	50-140			
Chrysene	0.195	0.02	ug/g	ND	84.9	50-140			
Dibenzo [a,h] anthracene	0.223	0.02	ug/g	ND	97.2	50-140			
Fluoranthene	0.183	0.02	ug/g	ND	79.9	50-140			

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Fluorene	0.171	0.02	ug/g	ND	74.6	50-140			
Indeno [1,2,3-cd] pyrene	0.212	0.02	ug/g	ND	92.4	50-140			
1-Methylnaphthalene	0.166	0.02	ug/g	ND	72.3	50-140			
2-Methylnaphthalene	0.159	0.02	ug/g	ND	69.2	50-140			
Naphthalene	0.166	0.01	ug/g	ND	72.1	50-140			
Phenanthrene	0.183	0.02	ug/g	ND	79.7	50-140			
Pyrene	0.184	0.02	ug/g	ND	80.2	50-140			
Surrogate: 2-Fluorobiphenyl	*1.42*		*%*		*77.1*	*50-140*			
Surrogate: Terphenyl-d14	*1.62*		*%*		*88.3*	*50-140*			

Certificate of Analysis

Report Date: 06-Jun-2025

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

Order Date: 3-Jun-2025

Client PO: **P115261CA001**

Project Description: CA0046126.8978.4000

Qualifier Notes:

Sample Data Revisions:

None

Work Order Revisions / Comments:

Revision - 1: This report has been revised to contain additional data to samples 1 and 3.

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 unlesss 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 liabilty 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.

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Paracel ID: 2523138

Chain of Custody
(Lab Use Only)

Page 1 of 1

Client Name:	WSP Canada Inc.	Project Reference:	CA0046126.8978, 4000
Contact Name:	Cindy McKee	Quote #	24-628
Address:	11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #	P115861CA0001
		Email Address:	cindy.mckee@wsp.com
Telephone:	519-735-2499		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)

Paracel Order Number: 2523138

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I	EC & pH	Hold	TCLP M&I	TCLP VOCs	TCLP BaP	TCLP Ignitability
1	RI-SA27	S	/	1	June 2/25	0930	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
2	RI-SA28	S	/	1	"	0940	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
3	RI-SA29	S	/	1	"	0950	☐	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4	DUP-9	S	/	1	"	/	☐	☐	☐	☐	☐	☐	☐	☐	☐	☒	☐	☐	☐	☐
5							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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: LTJ	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: June 2/25 10:15	Date/Time: 04/06/2025 10:10	Date/Time: June 3/25 14:00
Date/Time: June 2/25 1015	Temperature: 21.0 °C	Temperature: 12.1 °C	pH Verified [ ] By:

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Certificate of Analysis

WSP Canada Inc. (Windsor)
11865 County Rd 42
Windsor, ON N8N 0H1
Attn: Cindy McKee

Client PO: P115261CA001
Project: CA0046126.8978.4000
Custody:

Report Date: 23-Jul-2025
Order Date: 22-Jul-2025

Order #: 2530134

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

Paracel ID	Client ID
2530134-01	R2-SA1
2530134-02	R2-SA2
2530134-03	R2-SA3
2530134-04	R2-SA4
2530134-05	R2-SA5
2530134-06	R2-SA6

Approved By:



Alex Enfield, MSc
Lab Manager

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
Conductivity	MOE E3138 - probe @25 °C, water ext	23-Jul-25	23-Jul-25
REG 153: pH, soil	EPA 150.1 - pH probe @ 25 °C, CaCl buffered ext.	23-Jul-25	23-Jul-25
Solids, %	CWS Tier 1 - Gravimetric	23-Jul-25	23-Jul-25

Certificate of Analysis

Report Date: 23-Jul-2025

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

Order Date: 22-Jul-2025

Client PO: **P115261CA001**

Project Description: **CA0046126.8978.4000**

	Client ID:	R2-SA1	R2-SA2	R2-SA3	R2-SA4	-	-
	Sample Date:	22-Jul-25 08:40	22-Jul-25 08:45	22-Jul-25 08:50	22-Jul-25 08:55		
	Sample ID:	2530134-01	2530134-02	2530134-03	2530134-04		
	Matrix:	Soil	Soil	Soil	Soil		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	85.3	85.1	80.2	82.8	-	-
General Inorganics							
Conductivity	5 uS/cm	205	146	282	217	-	-
pH	0.05 pH Units	9.07	9.93	10.47	10.99	-	-

Certificate of Analysis

Report Date: 23-Jul-2025

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

Order Date: 22-Jul-2025

Client PO: **P115261CA001**

Project Description: **CA0046126.8978.4000**

	Client ID:	R2-SA5	R2-SA6			-	-
	Sample Date:	22-Jul-25 09:00	22-Jul-25 09:05				
	Sample ID:	2530134-05	2530134-06				
	Matrix:	Soil	Soil				
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	86.4	81.6	-	-	-	-
General Inorganics							
Conductivity	5 uS/cm	152	221	-	-	-	-
pH	0.05 pH Units	10.81	10.95	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics								
Conductivity	ND	5	uS/cm					

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
General Inorganics									
Conductivity	810	5	uS/cm	809			0.1	5	
pH	7.11	0.05	pH Units	7.14			0.4	10	
Physical Characteristics									
% Solids	87.4	0.1	% by Wt.	87.8			0.5	25	

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 unlesss 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 liabilty 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.

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Paracel ID: 2530134

Chain of Custody
(Lab Use Only)

Page 1 of 2

Client Name:	WSP Canada Inc.	Project Reference:	CA0046126.8978.4000
Contact Name:	Cindy McKee	Quote #	24-628
Address:	11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #	P115261CA001
		Email Address:	cindy.mckee@wsp.com
Telephone:	519-735-2499		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: 2530134

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH						
1	R2-SA1	S		1	July 22, 2025	0840	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
2	R2-SA2	S		1	July 22, 2025	0845	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
3	R2-SA3	S		1	July 22, 2025	0850	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
4	R2-SA4	S		1	July 22, 2025	0855	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
5	R2-SA5	S		1	July 22, 2025	0900	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
6	R2-SA6	S		1	July 22, 2025	0905	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
~~7~~	~~R2-SA7~~	S		1	July 22, 2025		☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
~~8~~	~~R2-SA8~~	S		1	July 22, 2025		☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐	☐
9		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

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

Method of Delivery: Walk in

Relinquished By (Sign):	Received by Driver/Depot: F. Jakobsen	Received at Lab: Ym	Verified By: F. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: July 22/25 9:45	Date/Time: 7/23/25 947.	Date/Time: July 22/25 14:10
Date/Time: July 22, 2025 0935	Temperature: 9.7 °C	Temperature: 5.9 °C	pH Verified [ ] By:

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Paracel ID: 2530134

Chain of Custody
(Lab Use Only)

Page 2 of 2

Client Name:	WSP Canada Inc.	Project Reference:	CA0046126.8978.4000
Contact Name:	Cindy McKee	Quote #	24-628
Address:	11865 County Road 42, Tecumseh, Ontario, N8N 2M1	PO #	P115261CA001
		Email Address:	cindy.mckee@wsp.com
Telephone:	519-735-2499		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: 2530134

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	EC, pH	HOLD					
1	R2-SA1B	S		1	July 22, 2025	/	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
2	R2-SA2B	S		1	July 22, 2025	/	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
3	R2-SA3B	S		1	July 22, 2025	/	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
4	R2-SA4B	S		1	July 22, 2025	/	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
5	R2-SA5B	S		1	July 22, 2025	/	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
6	R2-SA6B	S		1	July 22, 2025	/	☐	☐	☐	☐	☐	☐	☐	☐	☑	☐	☐	☐	☐	☐
7	~~R2-SA7~~	S		1	July 22, 2025	"	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8	~~R2-SA8~~	S		1	July 22, 2025		☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10		S					☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

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: Kin	Verified By: K. Jakobsen
Relinquished By (Print): Derek Saliba	Date/Time: July 22/25 9:45	Date/Time: 7/23/25 947	Date/Time: July 22/25 14:10
Date/Time: July 22, 2025 0533	Temperature: 9.7 °C	Temperature: 5.9 °C	pH Verified [ ] By:

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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: 16-May-2025
Order Date: 12-May-2025

Order #: 2520054

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

Paracel ID	Client ID
2520054-01	TCLP-WD2

Approved By:



Milan Ralitsch, PhD
Senior Technical Manager

Analysis Summary Table

Analysis	Method Reference/Description	Extraction Date	Analysis Date
REG 558 - SVOCs	TCLP EPA 625 - GC-MS	15-May-25	15-May-25
Solids, %	CWS Tier 1 - Gravimetric	13-May-25	14-May-25

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	-

	Client ID:	TCLP-WD2	-	-	-	Criteria:	
	Sample Date:	12-May-25 00:00	-	-	-	Reg 558 Schedule 4	-
	Sample ID:	2520054-01	-	-	-		
	Matrix:	Soil	-	-	-		
	MDL/Units						
Physical Characteristics							
% Solids	0.1 % by Wt.	83.7	-	-	-	-	-
EPA 1311 - TCLP Leachate Organics							
2,4-Dinitrotoluene	0.0010 mg/L	<0.0010	-	-	-	0.13 mg/L	-
Benzo [a] pyrene	0.0010 mg/L	<0.0010	-	-	-	0.001 mg/L	-
Nitrobenzene	0.0010 mg/L	<0.0010	-	-	-	2 mg/L	-
Hexachloroethane	0.0010 mg/L	<0.0010	-	-	-	3 mg/L	-
Hexachlorobenzene	0.0500 mg/L	<0.0500	-	-	-	0.13 mg/L	-
Hexachlorobutadiene	0.0010 mg/L	<0.0010	-	-	-	0.5 mg/L	-
2,3,4,6-Tetrachlorophenol	0.0020 mg/L	<0.0020	-	-	-	10 mg/L	-
2,4,5-Trichlorophenol	0.0010 mg/L	<0.0010	-	-	-	400 mg/L	-
2,4,6-Trichlorophenol	0.0010 mg/L	<0.0010	-	-	-	0.5 mg/L	-
2,4-Dichlorophenol	0.0010 mg/L	<0.0010	-	-	-	90 mg/L	-
2-Methylphenol	0.0010 mg/L	<0.0010	-	-	-	200 mg/L	-
3/4-Methylphenol	0.0010 mg/L	<0.0010	-	-	-	200 mg/L	-
Pentachlorophenol	0.0050 mg/L	<0.0050	-	-	-	6 mg/L	-
2,4,6-Tribromophenol	Surrogate	85.0%	-	-	-	-	-
2-Fluorophenol	Surrogate	51.4%	-	-	-	-	-
2-Fluorobiphenyl	Surrogate	69.6%	-	-	-	-	-
Terphenyl-d14	Surrogate	54.3%	-	-	-	-	-

Method Quality Control: Blank

Analyte	Result	Reporting Limit	Units	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Organics								
2,4-Dinitrotoluene	ND	0.0010	mg/L					
Benzo [a] pyrene	ND	0.0010	mg/L					
Nitrobenzene	ND	0.0010	mg/L					
Hexachloroethane	ND	0.0010	mg/L					
Hexachlorobenzene	ND	0.0500	mg/L					
Hexachlorobutadiene	ND	0.0010	mg/L					
2,3,4,6-Tetrachlorophenol	ND	0.0020	mg/L					
2,4,5-Trichlorophenol	ND	0.0010	mg/L					
2,4,6-Trichlorophenol	ND	0.0010	mg/L					
2,4-Dichlorophenol	ND	0.0010	mg/L					
2-Methylphenol	ND	0.0010	mg/L					
3/4-Methylphenol	ND	0.0010	mg/L					
Pentachlorophenol	ND	0.0050	mg/L					
Surrogate: 2,4,6-Tribromophenol	*0.023*		*%*	*92.2*	*40-150*			
Surrogate: 2-Fluorobiphenyl	*0.016*		*%*	*63.7*	*40-150*			
Surrogate: 2-Fluorophenol	*0.017*		*%*	*65.9*	*40-150*			
Surrogate: Terphenyl-d14	*0.017*		*%*	*68.1*	*40-150*			

Method Quality Control: Duplicate

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
Physical Characteristics									
% Solids	85.5	0.1	% by Wt.	83.7			2.1	25	

Method Quality Control: LCS Dup

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Organics									
2,4-Dinitrotoluene	0.0180	0.0010	mg/L	ND	72.1	50-140	7.04	200	
Benzo [a] pyrene	0.0230	0.0010	mg/L	ND	92.0	50-140	4.13	200	
Nitrobenzene	0.0228	0.0010	mg/L	ND	91.3	50-140	5.28	200	
Hexachloroethane	0.0038	0.0010	mg/L	ND	15.1	50-140	40.0	200	QS-02
Hexachlorobenzene	ND	0.0500	mg/L	ND		50-140		200	QS-01
Hexachlorobutadiene	0.0057	0.0010	mg/L	ND	22.7	50-140	45.9	200	QS-02
2,3,4,6-Tetrachlorophenol	0.0239	0.0020	mg/L	ND	95.6	50-140	4.49	200	
2,4,5-Trichlorophenol	0.0210	0.0010	mg/L	ND	84.0	50-140	3.51	200	
2,4,6-Trichlorophenol	0.0234	0.0010	mg/L	ND	93.6	50-140	2.31	200	
2,4-Dichlorophenol	0.0214	0.0010	mg/L	ND	85.8	50-140	7.65	200	
2-Methylphenol	0.0187	0.0010	mg/L	ND	74.9	50-140	0.133	200	
3/4-Methylphenol	0.0185	0.0010	mg/L	ND	74.0	50-140	2.19	200	
Pentachlorophenol	0.0241	0.0050	mg/L	ND	96.5	50-140	5.32	200	

Method Quality Control: Spike

Analyte	Result	Reporting Limit	Units	Source Result	%REC	%REC Limit	RPD	RPD Limit	Notes
EPA 1311 - TCLP Leachate Organics									
2,4-Dinitrotoluene	0.0168	0.0010	mg/L	ND	67.2	50-140			
Benzo [a] pyrene	0.0221	0.0010	mg/L	ND	88.3	50-140			
Nitrobenzene	0.0217	0.0010	mg/L	ND	86.6	50-140			
Hexachloroethane	0.0057	0.0010	mg/L	ND	22.6	50-140			QS-02
Hexachlorobenzene	ND	0.0500	mg/L	ND		50-140			QS-01
Hexachlorobutadiene	0.0091	0.0010	mg/L	ND	36.2	50-140			QS-02
2,3,4,6-Tetrachlorophenol	0.0228	0.0020	mg/L	ND	91.4	50-140			
2,4,5-Trichlorophenol	0.0203	0.0010	mg/L	ND	81.1	50-140			
2,4,6-Trichlorophenol	0.0229	0.0010	mg/L	ND	91.5	50-140			
2,4-Dichlorophenol	0.0199	0.0010	mg/L	ND	79.5	50-140			
2-Methylphenol	0.0188	0.0010	mg/L	ND	75.0	50-140			
3/4-Methylphenol	0.0181	0.0010	mg/L	ND	72.4	50-140			
Pentachlorophenol	0.0229	0.0050	mg/L	ND	91.5	50-140			
Surrogate: 2,4,6-Tribromophenol	*0.024*		*%*		*94.1*	*40-150*			
Surrogate: 2-Fluorobiphenyl	*0.017*		*%*		*67.3*	*40-150*			
Surrogate: 2-Fluorophenol	*0.016*		*%*		*62.0*	*40-150*			
Surrogate: Terphenyl-d14	*0.014*		*%*		*55.6*	*40-150*			

Qualifier Notes:

QC Qualifiers:

QS-01	Spike Level is less than the reporting MDL, however, recovery was acceptable.
QS-02	Spike level outside of control limits. Analysis batch accepted based on other QC included in the batch.

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 unlesss 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 liabilty 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.

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Paracel ID: 2520054

Chain of Custody
(Lab Use Only)

Page 1 of 1

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		
Telephone: 519-735-2499	Email Address: cindy.mckee@wsp.com, derek.saliba@wsp.com	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)

Paracel Order Number: 2520054

	Sample ID/Location Name	Matrix	Air Volume	# of Containers	Sample Taken Date	Sample Taken Time	PHCs F1-F4+BTEX	VOCs	PAHs	Metals by ICP	Hg	CrVI	B (HWS)	O.Reg. 153 M&I		TCLP sVOCs	TCLP M&I	TCLP VOCs	TCLP BaP	TCLP Ignitability
1	TCLP-WD2	S		2	12-May-25	N/A	☐	☐	☐	☐	☐	☐	☐	☐	☐	☑	☑	☑	☑	☑
2							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
3							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
4							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
5							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
6							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
7							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
8							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
9							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
10							☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Required Analyses

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

Method of Delivery: Walk in

Relinquished By (Sign):	Received by Driver/Depot: Pat	Received at Lab: Km
Relinquished By (Print): Derek Saliba	Date/Time: May 12/25 10:08	Date/Time: 5/13/25 9:24
Date/Time: May 12, 2025 1005	Temperature: 10.5 °C	Temperature: 7.9 °C

Verified By: K. Jakobsen
Date/Time: May 12/25 14:30
pH Verified [ ] By:



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